

29 Dec 93

**APPENDIX C**  
***ARCHITECTURAL ESTIMATES***

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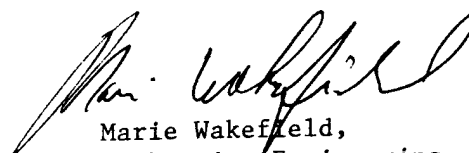


DEPARTMENT OF THE ARMY  
CONSTRUCTION ENGINEERING RESEARCH LABORATORIES, CORPS OF ENGINEERS  
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*Building 001*  
*Architectural Estimate*

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933702

19971017 206

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <u>1</u>		Building Name: <u>QUARTERS 1</u>	
Date Prepared: <u>29 DEC. 93</u>	Estimator: <u>K. STICK</u>	Sheet <u>1</u> of <u>2</u>	
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTING OF EXIST. MILLWORK (BASE MOULDING)	729	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	5930	S.F.	
DIV. 07 07310 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL.)	3659	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL ON 'Z' FURRING OVER 2" RIGID INSUL. (INCLUDE 4001)	5930	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. BETWEEN 2" RIGID INSUL.	38.9	C.L.F.	
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	5930	S.F.	
DIV. 16 ELEC. WORK ON OUTLETS / SWITCHES	58	EA.	
DIV. 16 ELEC. WORK ON WALL MTD. LIGHT FIXTURES	17	EA.	



Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:37:27

TITLE PAGE 1

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CB BLDG 001, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 001, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 12/30/93

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U.S. Army Corps of Engineers  
PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:37:27

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:37:27

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	21,790	0	1,090	0	22,880	22879.54
CB BLDG 001, ECO #1	1.00 EA	21,790	0	1,090	0	22,880	22879.54

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
 PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:37:27

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	350	11,838	111	5,073	0	17,022	17021.89
CB BLDG 001, ECO #1	1.00	EA	350	11,838	111	5,073	0	17,022	17021.89
OVERHEAD								851	
SUBTOTAL								17,873	
HOME OFC								1,787	
SUBTOTAL								19,660	
PROFIT								1,703	
SUBTOTAL								21,363	
BOND								427	
TOTAL INCL INDIRECTS								21,790	
CONTINGENCY								1,090	
TOTAL INCL OWNER COSTS								22,880	

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:37:27

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	15,651	783	1,643	1,565	393	20,035	20035.48
EL Electrical Contractor	1,371	69	144	137	34	1,755	1754.56

Thu 30 Dec 1993

U.S. Army Corps of Engineers

TIME 14:37:27

PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Remove & Reset Existing Millwork				0.03	0.95	0.01	0.00	0.00	0.96
(Base Moulding)	729.00	LF	ULABF	24	693	5	0	0	698
2" Polyiso.,R-13 Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.16
	729.00	SF	ACARA	5	190	2	657	0	848
6"Unfaced Batt,R19 Fbgs Insul				0.01	0.30	0.00	0.21	0.00	0.51
	3659.00	SF	ACARA	30	1,087	11	776	0	1,874
1/2" Drywall,One Layer, One Face				0.02	0.69	0.01	0.21	0.00	0.90
On Metal Studs or Furring,(13mm)	5930.00	SF	ACARB	66	2,362	24	1,093	0	5,361
For Taping, Spackling, And				48	1,700	17	164		
Std. 2" 'Z' Furring @ 24" O.C.				2.09	74.50	0.72	28.09	0.00	103.31
	38.90	CLF	ACARA	81	2,898	28	1,093	0	4,019
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	5930.00	SF	APTRA	64	1,701	19	1,131	0	2,852
Electrical Work on Outlets and				0.28	11.00	0.04	2.12	0.00	13.16
Switches	58.00	EA	EELEB	16	638	2	123	0	763
Electrical Work on Wall Mtd.				0.93	33.50	0.12	2.12	0.00	35.74
Light Fixtures	17.00	EA	EELEF	16	570	2	36	0	608
Contract				350	11,838	111	5,073	0	17,022
CB BLDG 001, ECO #1				350	11,838	111	5,073	0	17,022

Thu 30 Dec 1993

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PROJECT CB0011: CB BLDG 001, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*



# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. /

Building Name: <u>QUARTERS 1</u>
----------------------------------

Date Prepared: 29 DEC. 93

Estimator: K. STICK

Sheet 2 of 2

BID ITEM - WEATHERSTRIPPING / CAULKING

[illegible]

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:52:08

TITLE PAGE 1

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CB BLDG 001, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 001, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 12/30/93

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PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:52:08

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----										
	AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
-----										
01 General Contractor										
OVERHEAD		P	5.00							
HOME OFC		P	10.00							
PROFIT		C	8.65	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND		P	2.00							

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:52:08

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U.S. Army Corps of Engineers  
PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 13:52:08

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	3,346	0	167	0	3,513	3513.23
CB BLDG 001, ECO #3	1.00 EA	3,346	0	167	0	3,513	3513.23

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 13:52:08

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	65	2,330	18	266	0	2,614	2613.88
CB BLDG 001, ECO #3	1.00	EA	65	2,330	18	266	0	2,614	2613.88
OVERHEAD								131	
SUBTOTAL								2,745	
HOME OFC								274	
SUBTOTAL								3,019	
PROFIT								261	
SUBTOTAL								3,280	
BOND								66	
TOTAL INCL INDIRECTS								3,346	
CONTINGENCY								167	
TOTAL INCL OWNER COSTS								3,513	

Thu 30 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 13:52:08

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,614	131	274	261	66	3,346	3345.93

Thu 30 Dec 1993

U.S. Army Corps of Engineers

TIME 13:52:08

PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTITY UOM CREW ID			MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
Caulking of Exterior Doors and Windows	8.52	CLF ARFCA	40	1,418	9	81	0	1,508
Mtl Weatherstrip w/Neoprene Bulb For Head and Jamb	225.00	LF ACARB	0.07 17	2.62 590	0.03 6	0.66 148	0.00 0	3.31 744
Mtl Weatherstrip for Door Bottom Surface Mounted w/Vinyl Bulb	43.00	LF ACARB	0.21 9	7.50 322	0.08 3	0.85 36	0.00 0	8.42 362
Contract			65	2,330	18	266	0	2,614
CB BLDG 001, ECO #3			65	2,330	18	266	0	2,614



Thu 30 Dec 1993

U.S. Army Corps of Engineers

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PROJECT CB0013: CB BLDG 001, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

***Building 002***

***Architectural Estimate***

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>2</b>		Building Name: <b>QUARTERS 2</b>	
Date Prepared: <b>29 DEC. 93</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>3</b>	
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTING OF EXIST. MILLWORK (BASE & CASING)	1286	L.F.	
DIV. 06 06111 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	640	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSIONS	956	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	2898	S.F.	
DIV. 07 07210 1003 INSTALL 4" KRAFT FACED FIBERGLASS INSUL. R=11.0 (WALL INSUL.)	74	S.F.	
DIV. 02 REMOVE / RESET BASE CABINET (LIBRARY RM.)	40	L.F.	
DIV. 02 REMOVE EXIST. DRYWALL / BATT INSUL. (LIBRARY RM.)	122	S.F.	
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL. - MAIN HOUSE)	3026	S.F.	

[illegible]

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:43:27

TITLE PAGE 1

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CB BLDG 002, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 002, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 05/17/94

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PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:43:27

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:43:27

PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

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No Backup Reports...

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:43:27

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	19,894	0	995	0	20,889	20888.67
CB BLDG 002, ECO #1	1.00 EA	19,894	0	995	0	20,889	20888.67



Tue 17 May 1994

U.S. Army Corps of Engineers  
 PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks  
 PREFINAL SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:43:27

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	292	9,622	99	5,847	0	15,568	15567.50
CB BLDG 002, ECO #1 OVERHEAD	1.00 EA	292	9,622	99	5,847	0	15,568	15567.50
							772	
SUBTOTAL							16,340	
HOME OFC							1,622	
SUBTOTAL							17,961	
PROFIT							1,545	
SUBTOTAL							19,506	
BOND							388	
TOTAL INCL INDIRECTS							19,894	
CONTINGENCY							995	
TOTAL INCL OWNER COSTS							20,889	

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:43:27

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
<<< Non-Contracted Work >>>	123	0	0	0	0	123	122.63
GC General Contractor	15,445	772	1,622	1,545	388	19,771	19771.34

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:43:27

PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

PREFINAL SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY UOM		CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Removal & Resetting of Millwork			0.03	0.95	0.01	0.00	0.00	0.96
1286.00 LF	ULABF		42	1,222	9	0	0	1,231
Sills & Plates, 2x4 So Yel Pine			0.02	0.80	0.02	0.24	0.00	1.06
Around Window & Door Openings	640.00 BF	ACARD	14	512	13	156	0	681
Jamb Extensions			0.03	0.79	0.01	0.42	0.00	1.22
956.00 LF	ULABF		26	755	6	405	0	1,166
2" Polyiso, R 14.3, Rigid Insul.			0.01	0.26	0.00	0.90	0.00	1.16
2898.00 SF	ACARA		21	753	7	2,611	0	3,372
4" Kraft Faced, R11 Fbgs Insul			0.01	0.30	0.00	0.14	0.00	0.44
74.00 SF	ACARA		1	22	0	10	0	32
Remove & Reset Base Cabinets			0.21	7.60	0.08	0.00	0.00	7.68
40.00 LF	ACARB		9	304	3	0	0	307
Remove Drywall/Batt Insulation			0.01	0.17	0.00	0.00	0.00	0.17
122.00 SF	ULABF		1	21	0	0	0	21
6" Unfaced Batt, R19 Fbgs Insul			0.01	0.30	0.00	0.21	0.00	0.51
Roof Insulation	3026.00 SF	ACARA	25	899	9	642	0	1,549
1/2" Drywall, One Layer, One Face			0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	3026.00 SF	ACARB	34	1,214	12	558	0	2,751
For Taping, Spackling, And			25	874	9	84		
Std 2" Z Furring, Galv.			2.09	74.50	0.72	28.09	0.00	103.31
26.29 CLF	ACARA		55	1,959	19	738	0	2,716
Interior Roller Work			0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	3026.00 SF	APTRA	33	868	10	577	0	1,455
4" Unfaced Batt, R11 Fbgs Insul			0.01	0.30	0.00	0.20	0.00	0.50
Roof Insulation (2nd Floor	325.00 SF	ACARA	3	97	1	65	0	163
Porch)								
Lead Paint Abatement			0.03	1.00	0.01	0.00	0.00	1.01
122.00 SF	ULABB		4	122	1	0	0	123
Contract			292	9,622	99	5,847	0	15,568
BLDG 002, ECO #1			292	9,622	99	5,847	0	15,568

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:43:27

PROJECT CB0021: CB BLDG 002, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

PREFINAL SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:08:20

TITLE PAGE 1

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CB BLDG 002, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 002, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

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LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:08:20

PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

## \*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

01 General Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.65	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B

UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:08:20

PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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DETAIL PAGE

01. Contract.....1

No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*



LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:08:20

PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	3,138	0	157	0	3,295	3295.02
CB BLDG 002, ECO #3	1.00 EA	3,138	0	157	0	3,295	3295.02

LABOR ID: R01 92      EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B      UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:08:20

SUMMARY PAGE 2

[illegible]

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:08:20

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,452	123	257	245	62	3,138	3138.11

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:00:20

PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks

LED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY UOM CREW ID		MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract							
Polyurethane Cmpd, 1/4"x1/4"Joint		4.65	166.39	1.03	9.54	0.00	176.96
Ext. Doors & Windows	9.56 CLF ARFCA	44	1,591	10	91	0	1,692
Mtl Weatherstrip w/Neoprene Bulb		0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	161.00 LF ACARB	12	422	4	106	0	532
Mtl Weatherstrip for Door Bottom		0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	27.00 LF ACARB	6	202	2	23	0	227
Bulb							
Contract		62	2,215	16	220	0	2,452
CB BLDG 002, ECO #3		62	2,215	16	220	0	2,452

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:08:20

PROJECT CB0023: CB BLDG 002, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

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-----  
No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 003*

*Architectural Estimate*

933702

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 3

Building Name: *QUARTERS 3*

Date Prepared: 29

Estimator: K. Stick

Sheet 1 of 1

<p align="center"><b>BID ITEM - WEATHERSTRIPPING / CAULK</b></p>	
------------------------------------------------------------------	--

[illegible]

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:13:00

TITLE PAGE 1

---

CB BLDG 003, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 003, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

M C A C E S G O L D E D I T I O N  
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LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:13:00

PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

## \*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

01 General Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.65	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:13:00

PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:13:00

PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	629	0	31	0	660	659.96
CB BLDG 003, ECO #3	1.00 EA	629	0	31	0	660	659.96

CREW ID: NAT92B      UPB ID: NAT92A

## PROJECT DIRECT SUMMARY - LEVEL 1 ##

[illegible]

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:13:00

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	491	25	52	49	12	629	628.54

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:13:00

PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks

LED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
Exterior Door	0.17 CLF	ARFCA	1	28	0	2	0	30

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	91.00 LF	ACARB	7	239	2	60	0	301

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	19.00 LF	ACARB	4	142	1	16	0	160
Bulb								

Contract			11	409	4	78	0	491
----------	--	--	----	-----	---	----	---	-----

CB BLDG 003, ECO #3			11	409	4	78	0	491
---------------------	--	--	----	-----	---	----	---	-----

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:13:00

PROJECT CB0033: CB BLDG 003, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 004*

*Architectural Estimate*

933702



**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>4</b>	Building Name: <b>QUARTERS 4</b>	
Date Prepared: <b>3 JAN 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>2</b>
<b>BID ITEM - WALL / ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV. 02 REMOVAL & RESETTING OF EXIST. MILLWORK (BASE & CASING)	786	L.F.
DIV. 06 061114201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	350	B.F.
DIV. 06 1x3 PINE JAMB EXTENSIONS	526	L.F.
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	1901	S.F.
DIV. 09 09200 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	1901	S.F.
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	13.86	C.L.F.
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	1901	S.F.

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:28:39

TITLE PAGE 1

---

CB BLDG 004, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 004, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

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Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:39

PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

## \*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

## 01 General Contractor

OVERHEAD	S	5.00	5.00						
HOME OFC	P	10.00							
PROFIT	S	8.66	5.00						
BOND	P	2.00							

## 02 Electrical Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.66	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B

UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:39

PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:39

PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	17,071	0	854	0	17,924	17924.26
CB BLDG 004, ECO #1	1.00 EA	17,071	0	854	0	17,924	17924.26

CREW ID: NAT92B      UPB ID: NAT92A

## PROJECT DIRECT SUMMARY - LEVEL 1 ##

[illegible]

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:39

PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 3

\*\* CONTRACTOR INDIRECT SUMMARY \*\*

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	13,335	667	1,400	1,334	335	17,071	17070.72

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:39

PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

LED ESTIMATE

DETAIL PAGE 1

		QUANTY UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Removal & Ressetting of Base & Casing	786.00	LF	ACARB	0.21 168	7.60 5,974	0.08 61	0.00 0	0.00 0	7.68 6,035
Sills & Plates, 2x4 So Yel Pine Around Doors & Windows	350.00	BF	ACARB	0.02 8	0.80 280	0.02 7	0.24 85	0.00 0	1.06 372
Jamb Extensions	526.00	LF	ULABF	0.03 14	0.79 416	0.01 3	0.42 223	0.00 0	1.22 642
2" Polyiso, R14.3, Rigid Insul.	1901.00	SF	ACARA	0.01 14	0.26 494	0.00 5	0.90 1,713	0.00 0	1.16 2,212
1/2" Drywall, One Layer, One Face On Metal Studs or Furring, (13mm) For Taping, Spackling, And	1901.00	SF	ACARB	0.02 21 15	0.69 763 549	0.01 8 6	0.21 350 53	0.00 0	0.91 1,728
Std 2" Z Furring, Galv.	13.86	CLF	ACARA	2.09 29	74.50 1,033	0.72 10	28.09 389	0.00 0	103.31 1,432
Interior Roller Work One Coat Primer-Two Coats Paint	1901.00	SF	APTRA	0.01 20	0.29 545	0.00 6	0.19 363	0.00 0	0.48 914
Contract				290	10,053	106	3,176	0	13,335
CB BLDG 004, ECO #1				290	10,053	106	3,176	0	13,335



LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:39

PROJECT CB0041: CB BLDG 004, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 4

Building Name: QUARTERS 4

Date Prepared: 3 JAN 94

Estimator: K. STICK

Sheet 2 of 2

BID ITEM - WEATHERSTRIPPING /CAULK

[illegible]

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:32:04

TITLE PAGE 1

---

CB BLDG 004, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 004, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

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LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:32:04

PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

01 General Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.65	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:32:04

PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks  
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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:32:04

PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	1,504	0	75	0	1,580	1579.63
CB BLDG 004, ECO #3	1.00 EA	1,504	0	75	0	1,580	1579.63

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:32:04

SUMMARY PAGE 2

[illegible]

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:32:04

PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 3

\*\* CONTRACTOR INDIRECT SUMMARY \*\*

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,175	59	123	117	29	1,504	1504.41



Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:32:04

PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks

LED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
----------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
Exterior Doors & Windows	5.26	CLF ARFCA	24	875	5	50	0	931

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	51.00	LF ACARB	4	134	1	34	0	169

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	9.00	LF ACARB	2	67	1	8	0	76
Bulb								

Contract			30	1,076	8	91	0	1,175
----------	--	--	----	-------	---	----	---	-------

CB BLDG 004, ECO #3			30	1,076	8	91	0	1,175
---------------------	--	--	----	-------	---	----	---	-------

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 14:32:04

PROJECT CB0043: CB BLDG 004, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

ERROR PAGE 1

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

***Building 005***  
***(Typical for 006, 017, 018, 019,***  
***020, 021, 026, and 029)***

***Architectural Estimate***

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>5</b>	Building Name: <b>QUARTERS 5</b>	
Date Prepared: <b>5 JAN. 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>2</b>
<b>BID ITEM - WALL / ROOF INSUL.</b>		
Description	Quantity	Unit Measurement
<b>DIV. 02 REMOVAL &amp; RESETTING OF EXIST'G MILLWORK (BASE &amp; CASING)</b>	<b>1536</b>	<b>L.F.</b>
<b>DIV. 06 061114201 2x4 WOOD FRAMING AROUND WINDOW &amp; DOOR OPENINGS</b>	<b>720</b>	<b>B.F.</b>
<b>DIV. 06 1x3 PINE JAMB EXTENSIONS</b>	<b>1078</b>	<b>L.F.</b>
<b>DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R = 14.3 (WALL INSUL.)</b>	<b>3212</b>	<b>S.F.</b>
<b>DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL.)</b>	<b>2332</b>	<b>S.F.</b>
<b>DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)</b>	<b>3212</b>	<b>S.F.</b>
<b>DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.</b>	<b>21.6</b>	<b>C.L.F.</b>
<b>DIV. 09 09920 1221 PAINTING 1/2" DRYWALL</b>	<b>3212</b>	<b>S.F.</b>
<b>DIV. 16 ELEC. WORK ON OUTLETS &amp; SWITCHES</b>	<b>40</b>	<b>EA.</b>

**\* NOTE :** QUANTITIES INCLUDE BOTH SIDES OF DBL. HOUSE.

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:41:03

TITLE PAGE 1

---

CB BLDG 005, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 005, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:41:03

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 13:41:03

PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks  
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No Backup Reports...

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 13:41:03

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	20,104	0	1,005	0	21,109	21109.39
CB BLDG 005, ECO #1	1.00 EA	20,104	0	1,005	0	21,109	21109.39



Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 13:41:03

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	292	9,602	96	6,006	0	15,705	15704.90
CB BLDG 005, ECO #1 OVERHEAD	1.00 EA	292	9,602	96	6,006	0	15,705 785	15704.90
SUBTOTAL							16,490	
HOME OFC							1,649	
SUBTOTAL							18,139	
PROFIT							1,571	
SUBTOTAL							19,710	
BOND							394	
TOTAL INCL INDIRECTS							20,104	
CONTINGENCY							1,005	
TOTAL INCL OWNER COSTS							21,109	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 13:41:03

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	15,179	759	1,594	1,518	381	19,431	19430.58
EL Electrical Contractor	526	26	55	53	13	674	673.60

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 13:41:03

PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW	ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract											
Removal & Resetting of Millwork						0.03	0.95	0.01	0.00	0.00	0.96
	1536.00	LF	ULABF			50	1,459	11	0	0	1,470
Sills & Plates, 2x4 So Yel Pine						0.02	0.80	0.02	0.24	0.00	1.06
Around Window & Door Openings	720.00	BF	ACARF			16	576	14	176	0	766
Jamb Extensions						0.03	0.79	0.01	0.42	0.00	1.22
	1078.00	LF	ULABF			29	852	6	457	0	1,315
2" Polyiso., R14.3 Rigid Insul.						0.01	0.26	0.00	0.90	0.00	1.16
	3212.00	SF	ACARA			23	835	8	2,894	0	3,737
6" Unfaced Batt, R19 Fbgs Insul						0.01	0.30	0.00	0.21	0.00	0.51
	2332.00	SF	ACARA			19	693	7	494	0	1,194
1/2" Drywall, One Layer, One Face						0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	3212.00	SF	ACARB			36	1,289	13	592	0	2,920
For Taping, Spackling, And						26	928	10	89		
td. 2" Z Furring, Galv.						2.09	74.50	0.72	28.09	0.00	103.31
	21.60	CLF	ACARA			45	1,609	16	607	0	2,232
Interior Roller Work						0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	3212.00	SF	APTRA			35	921	10	613	0	1,545
Electrical Work on Outlets & Switches						0.28	11.00	0.04	2.12	0.00	13.16
	40.00	EA	EELEB			11	440	1	85	0	526
Contract						292	9,602	96	6,006	0	15,705
CB BLDG 005, ECO #1						292	9,602	96	6,006	0	15,705

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 13:41:03

PROJECT CB0051: CB BLDG 005, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

933702

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:44:00

TITLE PAGE 1

---

CB BLDG 005, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 005, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:44:00

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 13:44:00

PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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\* \* \* END TABLE OF CONTENTS \* \* \*



Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 13:44:00

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	2,859	0	143	0	3,002	3002.07
CB BLDG 005, ECO #3	1.00 EA	2,859	0	143	0	3,002	3002.07

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 13:44:00

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,234	112	235	223	56	2,859	2859.11

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 13:44:00

PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW	ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	------	----	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4" Joint				4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	10.78	CLF	ARFCA	50	1,794	11	103	0	1,908
Mtl Weatherstrip w/Neoprene Bulb				0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	68.00	LF	ACARB	5	178	2	45	0	225
Mtl Weatherstrip for Door Bottom				0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	12.00	LF	ACARB	3	90	1	10	0	101
Bulb									

## Contract

58	2,062	14	158	0	2,234
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CB BLDG 005, ECO #3

58	2,062	14	158	0	2,234
----	-------	----	-----	---	-------

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 13:44:00

PROJECT CB0053: CB BLDG 005, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 023*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. 23		Building Name: THORPE GYM	
Date Prepared: 3 JAN 94	Estimator: DJL	Sheet 1 of 3	
BID ITEM WALL / ROOF INSULATION			
Description	Quantity	Unit Measurement	
DIV. 06 0611 4201 2x4 WOOD FRAMING @ WINDOW & DOOR OPENINGS	1,055	B.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R= 14.3 (WALL INSUL.)	10,318	S.F.	
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL R= 19.0 (ROOF INSUL.)	11,229	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	10,318	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" ON WALLS	71	C.L.F.	
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	10,318	S.F.	
DIV. 09 INSTALL 4" VINYL BASE	890	L.F.	
DIV. 16 ELECT. WORK ON OUTLETS & SWITCHES	22	E.A.	

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 23

Building Name: THORPE GYM

Date Prepared: 3 JAN 94

Estimator: *DWL*

Sheet 2 of 3

BID ITEM	WALL / ROOF INSULATION
----------	------------------------

[illegible]



Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:09:31

TITLE PAGE 1

---

CB BLDG 023, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 023, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

M C A C E S G O L D E D I T I O N  
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PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

## \*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

## 01 General Contractor

OVERHEAD	S	5.00	5.00
HOME OFC	P	10.00	
PROFIT	S	8.66	5.00
BOND	P	2.00	

## 02 Electrical Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.66	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B

UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:09:31

PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:09:31

PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	56,478	0	2,824	0	59,302	59301.71
CB BLDG 023, ECO #1	1.00 EA	56,478	0	2,824	0	59,302	59301.71

LABOR ID: R01 92      EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B      UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:09:31

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	728	24,996	246	18,877	0	44,119	44119.15
							<hr/>	
CB BLDG 023, ECO #1 OVERHEAD	1.00 EA	728	24,996	246	18,877	0	44,119	44119.15
							2,206	
							<hr/>	
SUBTOTAL							46,325	
HOME OFC							4,633	
							<hr/>	
SUBTOTAL							50,958	
PROFIT							4,413	
							<hr/>	
SUBTOTAL							55,370	
BOND							1,107	
							<hr/>	
TOTAL INCL INDIRECTS							56,478	
CONTNGENCY							2,824	
							<hr/>	
TOTAL INCL OWNER COSTS							59,302	

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:09:31

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	41,760	2,088	4,385	4,177	1,048	53,459	53458.57
EL Electrical Contractor	2,359	118	248	236	59	3,019	3019.25

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:09:31

PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
01. Contract

LED ESTIMATE

DETAIL PAGE 1

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Sills & Plates, 2x4 So Yel Pine				0.02	0.80	0.02	0.24	0.00	1.06
	1055.00	BF	ACARD	24	844	21	257	0	1,122
2" Polyiso, R14.3, Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.16
	10318	SF	ACARA	75	2,683	26	9,297	0	12,005
6" Unfaced Batt, R19 Fbgs Insul				0.01	0.30	0.00	0.21	0.00	0.51
	11229	SF	ACARA	94	3,337	32	2,381	0	5,750
1/2" Drywall, One Layer, One Face On Metal Studs or Furring, (13mm) For Taping, Spackling, And				0.02	0.69	0.01	0.21	0.00	0.91
	10318	SF	ACARB	116	4,139	43	1,902	0	9,380
				84	2,980	31	285		
Std. 2" Z Furring, Galv.				2.09	74.50	0.72	28.09	0.00	103.31
	71.00	CLF	ACARA	148	5,290	51	1,994	0	7,335
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint				10318	2,960	33	1,969	0	4,962
	10318	SF	APTRA	111					
4" Vinyl Base				0.02	0.61	0.00	0.74	0.00	1.36
	890.00	LF	APAPA	20	543	3	660	0	1,206
Electrical Work on Switches & Outlets				0.28	11.00	0.04	2.12	0.00	13.16
	22.00	EA	EELEB	6	242	1	47	0	289
Electrical Work on Exit Signs				0.82	32.50	0.11	2.12	0.00	34.73
	7.00	EA	EELEB	6	228	1	15	0	243
Electrical Work on Fire Alarm Pull Stations				0.82	32.50	0.11	2.12	0.00	34.73
	3.00	EA	EELEB	2	98	0	6	0	104
Electrical Work on Fire Alarm Bells				0.82	32.50	0.11	2.12	0.00	34.73
	2.00	EA	EELEB	2	65	0	4	0	69
Electrical Work on Wall Mounted Light Fixtures				1.05	41.50	0.13	2.12	0.00	43.75
	28.00	EA	EELEB	29	1,162	4	59	0	1,225
Electrical Work on 200A Disc. Switch				5.38	213.02	0.69	0.00	0.00	213.71
	2.00	EA	EELEB	11	426	1	0	0	427
Contract				728	24,996	246	18,877	0	44,119
CB BLDG 023, ECO #1				728	24,996	246	18,877	0	44,119

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:09:31

PROJECT CB0231: CB BLDG 023, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

ERROR PAGE 1

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*



## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 23

Building Name: THORPE GYM

Date Prepared: 3 JAN. 94

Estimator: DJL

Sheet 3 of 3

BID ITEM WEATHERSTRIPPING/CAULKING	
1	WEATHERSTRIPPING
2	CAULKING

[illegible]

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:12:07

TITLE PAGE 1

---

CB BLDG 023, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 023, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

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CREW ID: NAT92B      UPB ID: NAT92A

SETTINGS PAGE 1

## \*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

## 01 General Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.65	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:12:07

PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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## DETAIL PAGE

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No Backup Reports...

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LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:12:07

PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	4,176	0	209	0	4,385	4384.60
CB BLDG 023, ECO #3	1.00 EA	4,176	0	209	0	4,385	4384.60

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:12:07

PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

INTERIM SUBMISSION

SUMMARY PAGE 2

## PROJECT DIRECT SUMMARY - LEVEL 1 ##

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	83	2,972	21	269	0	3,262	3262.18
CB BLDG 023, ECO #3 OVERHEAD	1.00 EA	83	2,972	21	269	0	3,262 163	3262.18
SUBTOTAL HOME OFC							 3,425 343	
SUBTOTAL PROFIT							 3,768 326	
SUBTOTAL BOND							 4,094 82	
TOTAL INCL INDIRECTS CONTNGENCY							 4,176 209	
TOTAL INCL OWNER COSTS							4,385	

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:12:07

PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 3

\*\* CONTRACTOR INDIRECT SUMMARY \*\*

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	3,262	163	343	326	82	4,176	4175.81

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:12:07

PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks

LED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
----------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4"Joint			4.65	166.39	1.03	9.54	0.00	176.96
Exterior Doors & Windows	13.83	CLF ARFCA	64	2,301	14	132	0	2,447
Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	170.00	LF ACARB	13	446	5	112	0	562
Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	30.00	LF ACARB	6	225	2	25	0	253
Bulb								

## Contract

83	2,972	21	269	0	3,262
----	-------	----	-----	---	-------

CB BLDG 023, ECO #3

83	2,972	21	269	0	3,262
----	-------	----	-----	---	-------



LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:12:07

PROJECT CB0233: CB BLDG 023, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

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-----  
No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 024*

*Architectural Estimate*

933702

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 24

Building Name: COREN APARTMENTS

Date Prepared: 5 JAN. 94

Estimator: D. J. L.

Sheet / of /

BID ITEM	WEATHERSTRIPPING/CAULKING
----------	---------------------------

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:49:06

TITLE PAGE 1

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CB BLDG 024, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 024, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

M C A C E S G O L D E D I T I O N  
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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:49:06

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 13:49:06

PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 13:49:06

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	5,626	0	281	0	5,907	5906.89
CB BLDG 024, ECO #3	1.00 EA	5,626	0	281	0	5,907	5906.89

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 13:49:06

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	112	3,990	29	376	0	4,395	4394.79
CB BLDG 024, ECO #3	1.00 EA	112	3,990	29	376	0	4,395	4394.79
OVERHEAD							220	
SUBTOTAL							4,615	
HOME OFC							461	
SUBTOTAL							5,076	
PROFIT.							439	
SUBTOTAL							5,515	
BOND							110	
TOTAL INCL INDIRECTS							5,626	
CONTINGENCY							281	
TOTAL INCL OWNER COSTS							5,907	



Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 13:49:06

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	4,395	220	461	439	110	5,626	5625.61

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 13:49:06

PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	17.86	CLF ARFCA	83	2,972	18	170	0	3,161

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	251.00	LF ACARB	18	658	7	165	0	830

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	48.00	LF ACARB	10	360	4	41	0	404
Bulb								

Contract			112	3,990	29	376	0	4,395
----------	--	--	-----	-------	----	-----	---	-------

CB BLDG 024, ECO #3			112	3,990	29	376	0	4,395
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Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 13:49:06

PROJECT CB0243: CB BLDG 024, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 025*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>25</b>		Building Name: <b>QUARTERS 25</b>	
Date Prepared: <b>3 JAN 94</b>	Estimator: <b>K. STICK</b>		Sheet <b>1</b> of <b>3</b>
<b>BID ITEM - INSUL. GL. / DBL. HUNG WINDOWS</b>			
Description	Quantity	Unit Measurement	
REPLACE EXIST'G SINGLE GLAZED ALUM.			
WINDOWS w/ ANDERSEN PERMA-SHIELD WINDOWS			
w/ HIGH PERFORMANCE GLAZING w/SCREENS			
A (14) 2'-8" x 4'-4" OPENING			
B (2) 2'-4" x 4'-4" OPENING			
TOTAL 16 WINDOWS IN ALUM. SIDING			
DIV. 02 02112 1B11			
REMOVE EXIST'G WINDOWS @ ± 12 S.F. MAX. EA.	16	EA.	
DIV. 08 NEW WINDOWS			
DBL. HUNG 2442	2	EA	
DBL. HUNG 2842	14	EA.	
AUXILIARY CASING 3/4" THK. x 3 1/2"			
HEAD & JAMBS			
(14) 10 L.F. = 140 L.F.			
(2) 9 L.F. = 18 L.F.			
158 L.F. TOTAL ≈	160	L.F.	
TRIM OUT 16 WINDOWS - EXTENSION JAMBS, CASING			
STOOL & APRON	16	OPEN'G	

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 25

Building Name: QUARTERS 25

Date Prepared: 3 JAN 94

Estimator: K. STICK

Sheet 2 of 3

BID ITEM - INSUL. GL./OBL. HUNG WINDOWS

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:10:56

TITLE PAGE 1

---

CB BLDG 025, ECO #2  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 025, Windows  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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U.S. Army Corps of Engineers  
PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:10:56

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								



Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:10:56

PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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U.S. Army Corps of Engineers  
PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:10:56

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	12,147	0	607	0	12,754	12753.83
CB BLDG 025, ECO #2	1.00 EA	12,147	0	607	0	12,754	12753.83

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:10:56

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	149	3,666	47	5,776	0	9,489	9488.98
CB BLDG 025, ECO #2 OVERHEAD	1.00 EA	149	3,666	47	5,776	0	9,489 474	9488.98
SUBTOTAL HOME OFC							9,963 996	
SUBTOTAL PROFIT							10,960 949	
SUBTOTAL BOND							11,908 238	
TOTAL INCL INDIRECTS CONTNGENCY							12,147 607	
TOTAL INCL OWNER COSTS							12,754	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:10:56

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	9,489	474	996	949	238	12,147	12146.50

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:10:56

PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:10:56

PROJECT CB0252: CB BLDG 025, ECO #2 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Demo Windows < 15 SF(1.3M2)				1.67	48.29	0.25	0.00	0.00	48.54
Wood or Metal Frames	16.00	EA	ULABB	27	773	4	0	0	777
Dbl. Hung 2442 Window				0.59	21.00	0.22	290.44	0.00	311.66
	2.00	EA	ACARB	1	42	0	581	0	623
Dbl. Hung 2842 Window				0.59	21.00	0.22	311.64	0.00	332.86
	14.00	EA	ACARB	8	294	3	4,363	0	4,660
Aux. Casing, Head & Jambs				0.25	0.00	0.09	3.71	0.00	3.80
	160.00	LF		40	0	14	594	0	608
Trim Out Windows				0.42	15.00	0.15	11.13	0.00	26.28
	16.00	EA	ACARB	7	240	2	178	0	421
Drywall Patching				0.56	19.95	0.19	0.29	0.00	20.43
	112.00	SF	ACARA	63	2,234	22	32	0	2,288
Paint Int Plaster-Drywall(Brush)				0.03	0.74	0.01	0.25	0.00	1.00
Seal Coat Primer-Three Coats Pnt	112.00	SF	APTRA	3	83	1	28	0	112
Contract				149	3,666	47	5,776	0	9,489
CB BLDG 025, ECO #2				149	3,666	47	5,776	0	9,489

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:15:23

TITLE PAGE 1

---

CB BLDG 025, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 025, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:15:23

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:15:23

PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks  
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U.S. Army Corps of Engineers  
PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:15:23

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	793	0	40	0	833	832.68
CB BLDG 025, ECO #3	1.00 EA	793	0	40	0	833	832.68

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:15:23

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	16	563	4	52	0	620	619.52
CB BLDG 025, ECO #3	1.00 EA	16	563	4	52	0	620	619.52
OVERHEAD							31	
SUBTOTAL							650	
HOME OFC							65	
SUBTOTAL							716	
PROFIT.							62	
SUBTOTAL							777	
BOND							16	
TOTAL INCL INDIRECTS							793	
CONTINGENCY							40	
TOTAL INCL OWNER COSTS							833	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:15:23

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	620	31	65	62	16	793	793.03

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:15:23

PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	2.58	CLF ARFCA	12	429	3	25	0	457

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	34.00	LF ACARB	3	89	1	22	0	112

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	6.00	LF ACARB	1	45	0	5	0	51
Bulb								

Contract			16	563	4	52	0	620
----------	--	--	----	-----	---	----	---	-----

CB BLDG 025, ECO #3			16	563	4	52	0	620
---------------------	--	--	----	-----	---	----	---	-----

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:15:23

PROJECT CB0253: CB BLDG 025, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 028*

*Architectural Estimate*

933702



**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>28</b>		Building Name: <b>QUARTERS 28</b>	
Date Prepared: <b>6 JAN.94</b>	Estimator: <b>K. STICK</b>		Sheet <b>1</b> of <b>3</b>
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTING OF EXIST'G. MILLWORK (BASE & CASING)	856	L.F.	
DIV. 06 06111 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	347	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSIONS	520	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R = 14.3 (WALL INSUL.)	2244	S.F.	
DIV. 07 BLOWN-IN CELLULOSE INSUL. - 4" ± BETWEEN CEIL. JOISTS R = 11.0	1362	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	2244	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURR'G @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	14.88	C.L.F.	
DIV. 09 09920 1221 PAINT'G 1/2" DRYWALL	2244	S.F.	

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:44:02

TITLE PAGE 1

CB BLDG 028, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 028, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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U.S. Army Corps of Engineers  
PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:44:02

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:44:02

PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:44:02

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	13,197	0	660	0	13,857	13856.88
CB BLDG 028, ECO #1	1.00 EA	13,197	0	660	0	13,857	13856.88

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:44:02

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	197	6,319	82	3,909	0	10,309	10309.19
CB BLDG 028, ECO #1 OVERHEAD	1.00	EA	197	6,319	82	3,909	0	10,309 515	10309.19
SUBTOTAL HOME OFC								10,825 1,082	
SUBTOTAL PROFIT								11,907 1,031	
SUBTOTAL BOND								12,938 259	
TOTAL INCL INDIRECTS CONTINGENCY								13,197 660	
TOTAL INCL OWNER COSTS								13,857	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:44:02

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	10,046	502	1,055	1,005	252	12,860	12860.23
EL Electrical Contractor	263	13	28	26	7	337	336.80



Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:44:02

PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Removal & Resetting of Millwork					0.03	0.95	0.01	0.00	0.00	0.96
	856.00	LF	ULABF		28	813	6	0	0	819
Sills & Plates, 2x4 So Yel Pine					0.02	0.80	0.02	0.24	0.00	1.06
	347.00	BF	ACARF		8	278	7	85	0	369
Jamb Extensions					0.03	0.79	0.01	0.42	0.00	1.22
	520.00	LF	ULABF		14	411	3	220	0	634
2" Polyiso., R14.3 Rigid Insul.					0.01	0.26	0.00	0.90	0.00	1.16
	2244.00	SF	ACARA		16	583	6	2,022	0	2,611
Blown-in Cell. Insul. 4", R11.0					0.00	0.09	0.01	0.13	0.00	0.23
	1362.00	SF	AASBD		4	123	19	173	0	315
1/2" Drywall, One Layer, One Face					0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)					25	900	9	414	0	2,040
For Taping, Spackling, And					18	648	7	62		
td 2" Z Furring, Galv.					2.09	74.50	0.72	28.09	0.00	103.31
	14.88	CLF	ACARA		31	1,109	11	418	0	1,537
Interior Roller Work					0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint					24	644	7	428	0	1,079
Paint Int Wd Trim, 1Prime, 2Paint					0.04	1.14	0.01	0.08	0.00	1.23
Enamel Primer, Alkyd or Latex Pnt					22	590	7	44	0	641
Electrical Work on Outlets & Switches					0.28	11.00	0.04	2.12	0.00	13.16
	20.00	EA	EELEB		6	220	1	42	0	263
Contract					197	6,319	82	3,909	0	10,309
CB BLDG 028, ECO #1					197	6,319	82	3,909	0	10,309

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:44:02

PROJECT CB0281: CB BLDG 028, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:20

TITLE PAGE 1

---

CB BLDG 028, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 028, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:20

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:20

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:48:20

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00	EA	1,491	0	75	0	1,565	1565.36
CB BLDG 028, ECO #3	1.00	EA	1,491	0	75	0	1,565	1565.36

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:48:20

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	30	1,066	7	91	0	1,165	1164.64
CB BLDG 028, ECO #3 OVERHEAD	1.00	EA	30	1,066	7	91	0	1,165 58	1164.64
SUBTOTAL HOME OFC								1,223 122	
SUBTOTAL PROFIT								1,345 116	
SUBTOTAL BOND								1,462 29	
TOTAL INCL INDIRECTS CONTINGENCY								1,491 75	
TOTAL INCL OWNER COSTS								1,565	



Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:48:20

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,165	58	122	116	29	1,491	1490.82

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 14:48:20

DETAILED ESTIMATE

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QUANTY UOM CREW ID			MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	5.20	CLF ARFCA	24	865	5	50	0	920
Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	51.00	LF ACARB	4	134	1	34	0	169
Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	9.00	LF ACARB	2	67	1	8	0	76
Bulb								
Contract			30	1,066	7	91	0	1,165
CB BLDG 028, ECO #3			30	1,066	7	91	0	1,165

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:48:20

PROJECT CB0283: CB BLDG 028, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 032*

*Architectural Estimate*

933702

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:27:46

TITLE PAGE 1

---

CB BLDG 032, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 032, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:27:46

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks  
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TIME 14:27:46

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
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INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:27:46

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	1,043	0	52	0	1,095	1094.73
CB BLDG 032, ECO #3	1.00 EA	1,043	0	52	0	1,095	1094.73

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:27:46

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	21	738	5	71	0	814	814.49
CB BLDG 032, ECO #3 OVERHEAD	1.00	EA	21	738	5	71	0	814 41	814.49
SUBTOTAL HOME OFC								855 86	
SUBTOTAL PROFIT								941 81	
SUBTOTAL BOND								1,022 20	
TOTAL INCL INDIRECTS CONTINGENCY								1,043 52	
TOTAL INCL OWNER COSTS								1,095	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:27:46

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	814	41	86	81	20	1,043	1042.60

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:27:46

PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Polyurethane Cmpd, 1/4"x1/4" Joint				4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	3.24	CLF	ARFCA	15	539	3	31	0	573
Mtl Weatherstrip w/Neoprene Bulb				0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	50.00	LF	ACARB	4	131	1	33	0	165
Mtl Weatherstrip for Door Bottom				0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	9.00	LF	ACARB	2	67	1	8	0	76
Bulb									
Contract				21	738	5	71	0	814
CB BLDG 032, ECO #3				21	738	5	71	0	814

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:27:46

PROJECT CB0323: CB BLDG 032, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 033*

*Architectural Estimate*

933702

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:35:20

TITLE PAGE 1

CB BLDG 033, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 033, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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U.S. Army Corps of Engineers  
PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:35:20

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:35:20

PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks  
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U.S. Army Corps of Engineers  
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INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:35:20

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	1,043	0	52	0	1,095	1094.73
CB BLDG 033, ECO #3	1.00	EA	1,043	0	52	0	1,095	1094.73

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:35:20

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	21	738	5	71	0	814	814.49
CB BLDG 033, ECO #3	1.00 EA	21	738	5	71	0	814	814.49
OVERHEAD							41	
SUBTOTAL							855	
HOME OFC							86	
SUBTOTAL							941	
PROFIT							81	
SUBTOTAL							1,022	
BOND							20	
TOTAL INCL INDIRECTS							1,043	
CONTNGENCY							52	
TOTAL INCL OWNER COSTS							1,095	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks  
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SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	814	41	86	81	20	1,043	1042.60

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:35:20

PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Polyurethane Cmpd, 1/4"x1/4" Joint				4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	3.24	CLF	ARFCA	15	539	3	31	0	573
Mtl Weatherstrip w/Neoprene Bulb				0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	50.00	LF	ACARB	4	131	1	33	0	165
Mtl Weatherstrip for Door Bottom				0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	9.00	LF	ACARB	2	67	1	8	0	76
Bulb									
Contract				21	738	5	71	0	814
CB BLDG 033, ECO #3				21	738	5	71	0	814

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:35:20

PROJECT CB0333: CB BLDG 033, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 034*

*Architectural Estimate*

933702



[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:38:39

TITLE PAGE 1

CB BLDG 034, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 034, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:38:39

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

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PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks  
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U.S. Army Corps of Engineers  
PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:38:39

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	920	0	46	0	966	965.87
CB BLDG 034, ECO #3	1.00 EA	920	0	46	0	966	965.87

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:38:39

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	18	657	5	57	0	719	718.62
CB BLDG 034, ECO #3 OVERHEAD	1.00 EA	18	657	5	57	0	719 36	718.62
SUBTOTAL HOME OFC							755 75	
SUBTOTAL PROFIT							830 72	
SUBTOTAL BOND							902 18	
TOTAL INCL INDIRECTS CONTNGENCY							920 46	
TOTAL INCL OWNER COSTS							966	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:38:39

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	719	36	75	72	18	920	919.88

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:38:39

PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY UOM CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract							
Polyurethane Cmpd, 1/4"x1/4"Joint		4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	3.14 CLF ARFCA	15	522	3	30	0	556
Mtl Weatherstrip w/Neoprene Bulb		0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	34.00 LF ACARB	3	89	1	22	0	112
Mtl Weatherstrip for Door Bottom		0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	6.00 LF ACARB	1	45	0	5	0	51
Bulb							
Contract		18	657	5	57	0	719
CB BLDG 034, ECO #3		18	657	5	57	0	719



Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 14:38:39

PROJECT CB0343: CB BLDG 034, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\*\*\* END OF ERROR REPORT \*\*\*

*Building 040*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>40</b>		Building Name: <b>TRUSCOTT HALL</b>	
Date Prepared: <b>5 JAN. 94</b>	Estimator: <b>K. STICK</b>		Sheet <b>1</b> of <b>1</b>
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 07 BLOWN-IN CELLULOSE INSUL. IN 3 1/2" STUD WALLS (R=14.0) DRILLING & PATCHING DRYWALL & LEAD PAINT			
ABATEMENT INCLUDED	<b>2947</b>	<b>S.F.</b>	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (STORAGE RM. WALL INSUL.)	<b>104</b>	<b>S.F.</b>	
DIV. 07 ADHERE 1" RIGID POLYISO. INSUL. BD. TO EXIST'G DRYWALL CEIL. R=7.2 (INCLUDE 4005)	<b>4130</b>	<b>S.F.</b>	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	<b>4234</b>	<b>S.F.</b>	
DIV. 09 INSTALL STD. 2" 'Z' FURR'G @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	<b>0.56</b>	<b>C.L.F.</b>	
DIV. 09 0920 1221 PAINT'G 1/2" DRYWALL	<b>4234</b>	<b>S.F.</b>	
DIV. 09 INSTALL 4" VINYL COVE BASE	<b>13</b>	<b>L.F.</b>	
DIV. 16 ELEC. WORK ON OUTLETS & SWITCHES	<b>65</b>	<b>EA.</b>	

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:48:23

TITLE PAGE 1

---

CB BLDG 040, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 040, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 05/17/94

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:48:23

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:48:23

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIGN	TOTAL COST	UNIT COST
01 Contract	1.00 EA	18,531	0	927	0	19,458	19457.71
CB BLDG 040, ECO #1	1.00 EA	18,531	0	927	0	19,458	19457.71

Tue 17 May 1994

U.S. Army Corps of Engineers  
 PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
 PREFINAL SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:48:23

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	267	9,181	88	5,208	0	14,476	14476.11
CB BLDG 040, ECO #1	1.00	EA	267	9,181	88	5,208	0	14,476	14476.11
OVERHEAD								724	
SUBTOTAL								15,200	
HOME OFC								1,520	
SUBTOTAL								16,720	
PROFIT								1,448	
SUBTOTAL								18,168	
BOND								363	
TOTAL INCL INDIRECTS								18,531	
CONTNGENCY								927	
TOTAL INCL OWNER COSTS								19,458	



Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:48:23

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	13,621	681	1,430	1,362	342	17,437	17436.56
EL Electrical Contractor	855	43	90	85	21	1,095	1094.60

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:48:23

PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

PREFINAL SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Blown in Cell. Insul., Includes					0.03	1.11	0.01	0.18	0.00	1.30
Drilling, Patching & Lead Paint Abatement					92	3,271	32	531	0	3,834
2" Polyiso., R14.3 Rigid Insul.					0.01	0.26	0.00	0.90	0.00	1.16
104.00 SF ACARA					1	27	0	94	0	121
1" Polyiso., R7.2 Rigid Insul.					0.01	0.24	0.00	0.66	0.00	0.90
4130.00 SF ACARA					28	982	9	2,714	0	3,706
1/2" Drywall, One Layer, One Face					0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)					48	1,699	17	781	0	3,849
For Taping, Spackling, And					34	1,223	13	117		
Std. 2" Z Furrinf, Galv.					2.09	74.50	0.72	28.09	0.00	103.31
0.56 CLF ACARA					1	42	0	16	0	58
Interior Roller Work					0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint					46	1,215	14	808	0	2,036
4" Vinyl Base					0.02	0.61	0.00	0.74	0.00	1.36
13.00 LF APAPA					0	8	0	10	0	18
Electrical Work on Outlets & Switches					0.28	11.00	0.04	2.12	0.00	13.16
65.00 EA EELEB					18	715	2	138	0	855
Contract					267	9,181	88	5,208	0	14,476
CB BLDG 040, ECO #1					267	9,181	88	5,208	0	14,476

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:48:23

PROJECT CB0401: CB BLDG 040, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 045*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>45</b>	Building Name: <b>BOUQUET HALL</b>	
Date Prepared: <b>5 JAN. 94</b>	Estimator: <b>DJL</b>	Sheet <b>1</b> of <b>3</b>
<b>BID ITEM WALL / ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV. 06 0611 4201 2x4 WOOD FRAMING AROUND WINDOW OPENINGS	637	B.F.
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	3,826	S.F.
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL)	5,992	S.F.
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	3,826	S.F.
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	24.00	C.L.F.
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	3,826	S.F.
DIV. 09 INSTALL 4" VINYL BASE	631	L.F.
DIV. 16 ELECTRIC WORK ON OUT. LETS & SWITCHES	60	EA.

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 45

Building Name: BOUQUET HALL

Date Prepared: 5 JAN 94

Estimator: DJL

Sheet 2 of 3

BID ITEM WALL/ROOF INSULATION	
-------------------------------	--

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:21:59

TITLE PAGE 1

CB BLDG 045, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 045, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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U.S. Army Corps of Engineers  
PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:21:59

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								



Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:21:59  
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No Backup Reports...

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:21:59

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	22,672	0	1,134	0	23,806	23805.71
CB BLDG 045, ECO #1	1.00 EA	22,672	0	1,134	0	23,806	23805.71

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:21:59

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	290	9,923	100	7,688	0	17,711	17710.91
CB BLDG 045, ECO #1	1.00	EA	290	9,923	100	7,688	0	17,711	17710.91
OVERHEAD								886	
SUBTOTAL								18,596	
HOME OFC								1,860	
SUBTOTAL								20,456	
PROFIT								1,771	
SUBTOTAL								22,228	
BOND								445	
TOTAL INCL INDIRECTS								22,672	
CONTNGENCY								1,134	
TOTAL INCL OWNER COSTS								23,806	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:21:59

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	16,850	843	1,769	1,685	423	21,570	21570.20
EL Electrical Contractor	861	43	90	86	22	1,102	1101.91

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:21:59

PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Sills & Plates, 2x4 So Yel Pine				0.02	0.80	0.02	0.24	0.00	1.06
	637.00	BF	ACARD	14	510	12	155	0	678
2" Polyiso., R14.3 Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.16
	3826.00	SF	ACARA	28	995	10	3,447	0	4,452
6" Unfaced Batt, R19 Fbgs Insul				0.01	0.30	0.00	0.21	0.00	0.51
	5992.00	SF	ACARA	50	1,781	17	1,270	0	3,068
1/2" Drywall, One Layer, One Face				0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	3826.00	SF	ACARB	43	1,535	16	705	0	3,478
For Taping, Spackling, And				31	1,105	11	106		
Std. 2" Z Furring, Galv.				2.09	74.50	0.72	28.09	0.00	103.31
	24.00	CLF	ACARA	50	1,788	17	674	0	2,480
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	3826.00	SF	APTRA	41	1,098	12	730	0	1,840
Vinyl Base				0.02	0.61	0.00	0.74	0.00	1.36
	631.00	LF	APAPA	14	385	2	468	0	855
Electrical Work on Outlets & Switches				0.28	11.00	0.04	2.12	0.00	13.16
	60.00	EA	EELEB	17	660	2	127	0	789
Electrical Work on Wall Mounted Lights				0.93	33.50	0.12	2.12	0.00	35.74
	2.00	EA	EELEF	2	67	0	4	0	71
Contract				290	9,923	100	7,688	0	17,711
CB BLDG 045, ECO #1				290	9,923	100	7,688	0	17,711

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:21:59

PROJECT CB0451: CB BLDG 045, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 45

Building Name: BOUQUET HALL

Date Prepared: 5 JAN 94 | Estimator: DJL

Estimator: DJL

Sheet 3 of 3

BID ITEM WEATHERSTRIPPING / CAULKING

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:25:15

TITLE PAGE 1

---

CB BLDG 045, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 045, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:25:15

SETTINGS PAGE 1

\*\*- CONTRACTOR SETTINGS -\*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:25:15

PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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U.S. Army Corps of Engineers  
PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:25:15

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	1,071	0	54	0	1,124	1124.41
CB BLDG 045, ECO #3	1.00 EA	1,071	0	54	0	1,124	1124.41

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:25:15

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	20	717	7	113	0	837	836.57
CB BLDG 045, ECO #3	1.00	EA	20	717	7	113	0	837	836.57
OVERHEAD								42	
SUBTOTAL								878	
HOME OFC								88	
SUBTOTAL								966	
PROFIT								84	
SUBTOTAL								1,050	
BOND								21	
TOTAL INCL INDIRECTS								1,071	
CONTINGENCY								54	
TOTAL INCL OWNER COSTS								1,124	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:25:15

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	837	42	88	84	21	1,071	1070.86

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 14:25:15

DETAILED ESTIMATE

DETAIL PAGE 1

		QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Cmpd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors		1.20	CLF	ARFCA	6	200	1	11	0	212
Mtl Weatherstrip w/Neoprene Bulb										
For Head and Jamb		120.00	LF	ACARB	9	315	3	79	0	397
Mtl Weatherstrip for Door Bottom										
Surface Mounted w/Vinyl Bulb		27.00	LF	ACARB	6	202	2	23	0	227
Bulb										
Contract					20	717	7	113	0	837
CB BLDG 045, ECO #3					20	717	7	113	0	837

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:25:15

PROJECT CB0453: CB BLDG 045, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 046*

*Architectural Estimate*

933702



**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>46</b>	Building Name: <b>ANNE ELY HALL</b>	
Date Prepared: <b>5 JAN 94</b>	Estimator: <b>DJL</b>	Sheet <b>1</b> of <b>2</b>
<b>BID ITEM WALL / ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV. 06 0611 4201 2x4 WOOD FRAMING AROUND WINDOW OPENINGS	1410	B.F.
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	9,785	S.F.
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL R=19.0 (ROOF INSUL)	11,031	S.F.
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	9,785	S.F.
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	61.88	C.L.F.
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	9,785	S.F.
DIV. 09 INSTALL 4" VINYL BASE	970	L.F.
DIV. 16 ELECTRIC WORK ON OUT- LETS & SWITCHES	60	E.A.

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 46

Building Name: ANNE ELY HALL

Date Prepared: 5 JAN 94

Estimator: DJL

Sheet 2 of 2

BID ITEM WALL/ROOF INSULATION	
-------------------------------	--

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:36:59

TITLE PAGE 1

---

CB BLDG 046, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 046, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:36:59

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:36:59

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	52,915	0	2,646	0	55,561	55560.71
CB BLDG 046, ECO #1	1.00	EA	52,915	0	2,646	0	55,561	55560.71

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:36:59

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	675	23,031	237	18,068	0	41,336	41335.90
CB BLDG 046, ECO #1 OVERHEAD	1.00 EA	675	23,031	237	18,068	0	41,336 2,067	41335.90
SUBTOTAL							43,403	
HOME OFC							4,340	
SUBTOTAL							47,743	
PROFIT							4,134	
SUBTOTAL							51,877	
BOND							1,038	
TOTAL INCL INDIRECTS							52,915	
CONTNGENCY							2,646	
TOTAL INCL OWNER COSTS							55,561	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:36:59

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	39,842	1,992	4,183	3,985	1,000	51,003	51002.51
EL Electrical Contractor	1,494	75	157	149	37	1,912	1912.46



Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:36:59

PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Sills & Plates, 2x4 So Yel Pine				0.02	0.80	0.02	0.24	0.00	1.06
	1410.00	BF	ACARD	32	1,128	28	344	0	1,500
2" Polyiso., R14.3 Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.16
	9785.00	SF	ACARA	71	2,544	25	8,816	0	11,385
6" Unfaced Batt, R19 Fbgs Insul				0.01	0.30	0.00	0.21	0.00	0.51
	11031	SF	ACARA	92	3,278	32	2,339	0	5,648
1/2" Drywall, One Layer, One Face				0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	9785.00	SF	ACARB	110	3,925	40	1,804	0	8,896
For Taping, Spackling, And				79	2,826	29	271		
Std. 2" Z Furring, Galv.				2.09	74.50	0.72	28.09	0.00	103.31
	61.88	CLF	ACARA	129	4,610	45	1,738	0	6,393
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	9785.00	SF	APTRA	105	2,807	32	1,867	0	4,706
" Vinyl Base				0.02	0.61	0.00	0.74	0.00	1.36
	970.00	LF	APAPA	22	592	3	720	0	1,314
Electrical Work on Outlets & Switches				0.28	11.00	0.04	2.12	0.00	13.16
	60.00	EA	EELEB	17	660	2	127	0	789
Electrical Work on Wall Mounted Lights				0.93	33.50	0.12	2.12	0.00	35.74
	10.00	EA	EELEF	9	335	1	21	0	357
Electrical Work on Fire Alarm Pull Stations				0.82	32.50	0.11	2.12	0.00	34.73
	5.00	EA	EELEB	4	163	1	11	0	174
Electrical Work on Fire Alarm Bells				0.82	32.50	0.11	2.12	0.00	34.73
	5.00	EA	EELEB	4	163	1	11	0	174
Contract				675	23,031	237	18,068	0	41,336
CB BLDG 046, ECO #1				675	23,031	237	18,068	0	41,336

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:36:59

PROJECT CB0461: CB BLDG 046, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

***Building 101***  
***(Typical for 102, 103, 104, 105, 106, 108,***  
***109, 110, 111, 112, 113, and 114)***

***Architectural Estimate***

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. 101		Building Name: FORBES AVENUE	
Date Prepared: 4 JAN. 94	Estimator: DJL		Sheet 1 of 3
BID ITEM WALL / ROOF INSULATION			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTNG OF EXIST'G. MILLWORK (BASE & CASINGS).	848	L.F.	
DIV. 06 06111 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENING'S	391	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSION	434	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	1926	S.F.	
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL.)	1480	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	1926	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	14.79	C.L.F.	
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	1926	S.F.	

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 101

Building Name: FORBES AVENUE

Date Prepared: 4 JAN 94

Estimator: DJL

Sheet 2 of 3

BID ITEM WALL/ROOF INSULATION	
-------------------------------	--

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:28:01

TITLE PAGE 1

---

CB BLDG 101, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 101, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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U.S. Army Corps of Engineers  
PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:28:01

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:28:01

PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*



Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:28:01

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	12,145	0	607	0	12,752	12751.92
CB BLDG 101, ECO #1	1.00 EA	12,145	0	607	0	12,752	12751.92

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:28:01

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	175	5,825	57	3,604	0	9,487	9487.14
CB BLDG 101, ECO #1 OVERHEAD	1.00 EA	175	5,825	57	3,604	0	9,487 474	9487.14
SUBTOTAL HOME OFC							9,962 996	
SUBTOTAL PROFIT							10,958 949	
SUBTOTAL BOND							11,907 238	
TOTAL INCL INDIRECTS CONTINGENCY							12,145 607	
TOTAL INCL OWNER COSTS							12,752	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:28:01

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	8,961	448	941	896	225	11,471	11471.09
EL Electrical Contractor	526	26	55	53	13	674	673.60

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:28:01

PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Removal & Resetting of Millwork				0.03	0.95	0.01	0.00	0.00	0.96
	848.00	LF	ULABF	28	806	6	0	0	812
Sills & Plates, 2x4 So Yel Pine				0.02	0.80	0.02	0.24	0.00	1.06
Around Doors & Windows	391.00	BF	ACARD	9	313	8	95	0	416
Jamb Extensions				0.03	0.79	0.01	0.42	0.00	1.22
	434.00	LF	ULABF	12	343	3	184	0	529
2" Polyiso., R14.3 Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.16
	1926.00	SF	ACARA	14	501	5	1,735	0	2,241
6" Unfaced Batt, R19 Fbgs Insul				0.01	0.30	0.00	0.21	0.00	0.51
	1480.00	SF	ACARA	12	440	4	314	0	758
1/2" Drywall, One Layer, One Face				0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	1926.00	SF	ACARB	22	773	8	355	0	1,751
For Taping, Spackling, And				16	556	6	53		
td. 2" Z Furring, Galv.				2.09	74.50	0.72	28.09	0.00	103.31
	14.79	CLF	ACARA	31	1,102	11	415	0	1,528
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	1926.00	SF	APTRA	21	553	6	367	0	926
Electrical Work on Outlets & Switches				0.28	11.00	0.04	2.12	0.00	13.16
	40.00	EA	EELEB	11	440	1	85	0	526
Contract				175	5,825	57	3,604	0	9,487
CB BLDG 101, ECO #1				175	5,825	57	3,604	0	9,487

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:28:01

PROJECT CB1011: CB BLDG 101, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 101

Building Name: FORBES AVENUE

Date Prepared: 4 JAN 94

Estimator: DJL

Sheet 3 of 3

	BID ITEM WEATHERSTRIPPING/CAULKING
--	------------------------------------

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:33:58

TITLE PAGE 1

---

CB BLDG 101, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 101, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:33:58

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								



Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks  
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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:33:58

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	2,531	0	127	0	2,658	2657.58
CB BLDG 101, ECO #3	1.00	EA	2,531	0	127	0	2,658	2657.58

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:33:58

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	50	1,777	13	187	0	1,977	1977.27
CB BLDG 101, ECO #3 OVERHEAD	1.00	EA	50	1,777	13	187	0	1,977 99	1977.27
SUBTOTAL HOME OFC								2,076 208	
SUBTOTAL PROFIT								2,284 198	
SUBTOTAL BOND								2,481 50	
TOTAL INCL INDIRECTS CONTINGENCY								2,531 127	
TOTAL INCL OWNER COSTS								2,658	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:33:58

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,977	99	208	198	50	2,531	2531.03

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:33:58

PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY UOM CREW ID		MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract							
Polyurethane Cmpd, 1/4"x1/4" Joint		4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	7.15 CLF ARFCA	33	1,190	7	68	0	1,265
Mtl Weatherstrip w/Neoprene Bulb		0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	144.00 LF ACARB	11	378	4	95	0	476
Mtl Weatherstrip for Door Bottom		0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	28.00 LF ACARB	6	210	2	24	0	236
Bulb							
Contract		50	1,777	13	187	0	1,977
CB BLDG 101, ECO #3		50	1,777	13	187	0	1,977

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:33:58

PROJECT CB1013: CB BLDG 101, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 107*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>107</b>	Building Name: <b>FORBES AVENUE</b>	
Date Prepared: <b>6 JAN 94</b>	Estimator: <b>DJL</b>	Sheet <b>1</b> of <b>3</b>
<b>BID ITEM WALL/ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV. 02 REMOVAL & RESETTING OF EXIST'G MILLWORK (BASE & CASINGS)	<b>848</b>	<b>L.F.</b>
DIV. 06 0611 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	<b>391</b>	<b>B.F.</b>
DIV. 06 1x3 PINE JAMB EXTENSION	<b>434</b>	<b>L.F.</b>
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL BD. R=14.3 (WALL INSUL)	<b>1926</b>	<b>S.F.</b>
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL R=19.0 (ROOF INSUL)	<b>1480</b>	<b>S.F.</b>
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	<b>1926</b>	<b>S.F.</b>
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	<b>14.79</b>	<b>C.L.F.</b>
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	<b>1926</b>	<b>S.F.</b>



## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 107

Building Name: FORBES AVENUE

**Date Prepared:**

Estimator:
------------

Sheet 2 of 3

BID ITEM 1 VALL/ ROOF INSULATION	
----------------------------------	--

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:04

TITLE PAGE 1

---

CB BLDG 107, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 107, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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U.S. Army Corps of Engineers  
PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:04

SETTINGS PAGE 1

\*\*- CONTRACTOR SETTINGS \*\*-

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
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INTERIM SUBMISSION

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:48:04

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	12,145	0	607	0	12,752	12752.41
CB BLDG 107, ECO #1	1.00 EA	12,145	0	607	0	12,752	12752.41

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:48:04

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	175	5,826	57	3,604	0	9,488	9487.61
CB BLDG 107, ECO #1 OVERHEAD	1.00	EA	175	5,826	57	3,604	0	9,488 474	9487.61
SUBTOTAL HOME OFC								9,962 996	
SUBTOTAL PROFIT								10,958 949	
SUBTOTAL BOND								11,907 238	
TOTAL INCL INDIRECTS CONTNGENCY								12,145 607	
TOTAL INCL OWNER COSTS								12,752	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:48:04

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	6,720	336	706	672	169	8,603	8603.02
EL Electrical Contractor	2,767	138	291	277	69	3,542	3542.13

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:48:04

PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Removal & Resetting of Millwork			0.03	0.95	0.01	0.00	0.00	0.96
848.00 LF	ULABF		28	806	6	0	0	812
Sills & Plates, 2x4 So Yel Pine			0.02	0.80	0.02	0.24	0.00	1.06
391.00 BF	ACARD		9	313	8	95	0	416
Jamb Extensions			0.03	0.79	0.01	0.42	0.00	1.22
434.00 LF	ULABF		12	343	3	184	0	530
2" Polyiso., R14.3 Rigid Insul.			0.01	0.26	0.00	0.90	0.00	1.16
1926.00 SF	ACARA		14	501	5	1,735	0	2,241
6" Unfaced Batt, R19 Fbgs Insul			0.01	0.30	0.00	0.21	0.00	0.51
1480.00 SF	ACARA		12	440	4	314	0	758
1/2" Drywall, One Layer, One Face			0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)			22	773	8	355	0	1,751
For Taping, Spackling, And			16	556	6	53		
Std. 2" Z Furring, Galv.			2.09	74.50	0.72	28.09	0.00	103.31
14.79 CLF	ACARA		31	1,102	11	415	0	1,528
Interior Roller Work			0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint			21	553	6	367	0	926
1926.00 SF	APTRA							
Electrical Work on Outlets & Switches			0.28	11.00	0.04	2.12	0.00	13.16
40.00 EA	EELEB		11	440	1	85	0	526
Contract			175	5,826	57	3,604	0	9,488
CB BLDG 107, ECO #1			175	5,826	57	3,604	0	9,488



Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:48:04

PROJECT CB1071: CB BLDG 107, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 107

Building Name: FORBES AVENUE

Date Prepared: 6 JAN 94

Estimator: DJL

Sheet 3 of 3

	BID ITEM 1 WEATHERSTRIPPING/CAULKING
--	--------------------------------------

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:51:13

TITLE PAGE 1

---

CB BLDG 107, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 107, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:51:13

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:51:13

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:51:13

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	2,531	0	127	0	2,658	2657.58
CB BLDG 107, ECO #3	1.00 EA	2,531	0	127	0	2,658	2657.58

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:51:13

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	50	1,777	13	187	0	1,977	1977.27
CB BLDG 107, ECO #3	1.00 EA	50	1,777	13	187	0	1,977	1977.27
OVERHEAD							99	
SUBTOTAL							2,076	
HOME OFC							208	
SUBTOTAL							2,284	
PROFIT							198	
SUBTOTAL							2,481	
BOND							50	
TOTAL INCL INDIRECTS							2,531	
CONTINGENCY							127	
TOTAL INCL OWNER COSTS							2,658	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:51:13

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,977	99	208	198	50	2,531	2531.03



Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:51:13

PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	7.15 CLF	ARFCA	33	1,190	7	68	0	1,265

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	144.00 LF	ACARB	11	378	4	95	0	476

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	28.00 LF	ACARB	6	210	2	24	0	236
Bulb								

Contract			50	1,777	13	187	0	1,977
----------	--	--	----	-------	----	-----	---	-------

CB BLDG 107, ECO #3			50	1,777	13	187	0	1,977
---------------------	--	--	----	-------	----	-----	---	-------

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:51:13

PROJECT CB1073: CB BLDG 107, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\*\*\* END OF ERROR REPORT \*\*\*

*Building 116*

*Architectural Estimate*

933702

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 116

Building Name: YOUNG HALL

Date Prepared: 6 JAN 94

Estimator: DJL
----------------

Sheet 1 of 1

	BID ITEM 11 WEATHERSTRIPPING/CAULKING
--	---------------------------------------

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1163: CB BLDG 116, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:54:37

TITLE PAGE 1

---

CB BLDG 116, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 116, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1163: CB BLDG 116, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:54:37  
SETTINGS PAGE 1

\*\*- CONTRACTOR SETTINGS \*\*

	AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--	--------	-----	-------	------	------	------	--------	--------	--------	--------

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
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TIME 14:54:37

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No Backup Reports...

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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
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\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:54:37

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	16,467	0	823	0	17,290	17289.83
CB BLDG 116, ECO #3	1.00	EA	16,467	0	823	0	17,290	17289.83



Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1163: CB BLDG 116, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:54:37

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	313	11,191	95	1,577	0	12,864	12863.81
CB BLDG 116, ECO #3	1.00 EA	313	11,191	95	1,577	0	12,864	12863.81
OVERHEAD							643	
SUBTOTAL							13,507	
HOME OFC							1,351	
SUBTOTAL							14,858	
PROFIT							1,286	
SUBTOTAL							16,144	
BOND							323	
TOTAL INCL INDIRECTS							16,467	
CONTNGENCY							823	
TOTAL INCL OWNER COSTS							17,290	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1163: CB BLDG 116, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:54:37

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	12,864	643	1,351	1,286	323	16,467	16466.50

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:54:37

PROJECT CB1163: CB BLDG 116, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Cmpd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows					136	4,852	30	278	0	5,160
29.16 CLF ARFCA										
Mtl Weatherstrip w/Neoprene Bulb					0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb					119	4,232	44	1,061	0	5,336
1614.00 LF ACARB										
Mtl Weatherstrip for Door Bottom					0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb					59	2,107	22	238	0	2,367
281.00 LF ACARB										
Bulb										
Contract					313	11,191	95	1,577	0	12,864
CB BLDG 116, ECO #3					313	11,191	95	1,577	0	12,864

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 14:54:37

PROJECT CB1163: CB BLDG 116, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\*\*\* END OF ERROR REPORT \*\*\*

*Building 118*  
*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>118</b>	Building Name: <b>THEATER</b>	
Date Prepared: <b>4 JAN. 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>2</b>
<b>BID ITEM - WALL / ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV. 02 DEMO. INTERIOR ACOUSTICAL TILE / WOOD FURR'G STRIPS	2320	S.F.
DIV. 06 06111 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	163	B.F.
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R = 14.3 (WALL INSUL.)	4973	S.F.
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R = 19.0 (ROOF INSUL.)	4508	S.F.
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	4973	S.F.
DIV. 09 INSTALL 2" '2' FURRING @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	25.55	C.L.F.
DIV. 09 INSTALL 1" THK. SOUND ABSORBING PANELS OVER 2" INSUL. (THEATER)	2000	S.F.

[illegible]

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:51:44

TITLE PAGE 1

---

CB BLDG 118, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 118, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 05/17/94

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:51:44

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:51:44

PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

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No Backup Reports...

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:51:44

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	32,949	0	1,647	0	34,596	34596.47
CB BLDG 118, ECO #1	1.00	EA	32,949	0	1,647	0	34,596	34596.47

Tue 17 May 1994

U.S. Army Corps of Engineers  
 PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
 PREFINAL SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:51:44

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	460	15,265	140	12,201	0	27,605	27604.62
CB BLDG 118, ECO #1 OVERHEAD	1.00 EA	460	15,265	140	12,201	0	27,605 954	27604.62
SUBTOTAL HOME OFC							28,559 2,003	
SUBTOTAL PROFIT							30,562 1,908	
SUBTOTAL BOND							32,470 479	
TOTAL INCL INDIRECTS CONTNGENCY							32,949 1,647	
TOTAL INCL OWNER COSTS							34,596	

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:51:44

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
<<< Non-Contracted Work >>>	8,526	0	0	0	0	8,526	8525.81
GC General Contractor	18,684	934	1,962	1,869	469	23,918	23918.07
EL Electrical Contractor	395	20	41	39	10	505	505.14

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:51:44

PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

PREFINAL SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY UOM CREW ID			MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Demo. Interior Acoustical Tile & Wood Furring Strips	2320.00	SF ULABF	0.01 15	0.19 441	0.00 3	0.00 0	0.00 0	0.19 444
Sills & Plates, 2x4 So Yel Pine	163.00	BF ACARD	0.02 4	0.80 130	0.02 3	0.24 40	0.00 0	1.06 173
2" Polyiso., R14.3 Rigid Insul.	4973.00	SF ACARA	0.01 36	0.26 1,293	0.00 12	0.90 4,481	0.00 0	1.16 5,786
6" Unfaced Batt, R19 Fbgs Insul	4508.00	SF ACARA	0.01 38	0.30 1,340	0.00 13	0.21 956	0.00 0	0.51 2,308
1/2" Drywall, One Layer, One Face On Metal Studs or Furring, (13mm) For Taping, Spackling, And	4973.00	SF ACARB	0.02 56 40	0.69 1,995 1,436	0.01 21 15	0.21 917 138	0.00 0	0.91 4,521
Std. 2" Z Furring, Galv.	25.55	CLF ACARA	2.09 53	74.50 1,904	0.72 18	28.09 718	0.00 0	103.31 2,640
1" Thick Sound Absorbing Panels	2000.00	SF ACARA	0.03 69	1.23 2,460	0.01 24	1.86 3,710	0.00 0	3.10 6,194
Interior Roller Work One Coat Primer-Two Coats Paint	4973.00	SF APTRA	0.01 53	0.29 1,427	0.00 16	0.19 949	0.00 0	0.48 2,392
4" Vinyl Base	310.00	LF APAPA	0.02 7	0.61 189	0.00 1	0.74 230	0.00 0	1.36 420
Electrical Work on Outlets & Switches	30.00	EA EELEB	0.28 8	11.00 330	0.04 1	2.12 64	0.00 0	13.15 395
Lead Paint Abatement	2320.00	SF ULABB	0.03 80	1.00 2,320	0.01 12	0.00 0	0.00 0	1.01 2,332
Contract			460	15,265	140	12,201	0	27,605
CB BLDG 118, ECO #1			460	15,265	140	12,201	0	27,605

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:51:44

PROJECT CB1181: CB BLDG 118, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 122*

*Architectural Estimate*

933702



[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:21:13

TITLE PAGE 1

---

CB BLDG 122, ECO #2  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 122, Windows  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:21:13

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
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\* \* \* END TABLE OF CONTENTS \* \* \*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:21:13

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	23,088	0	1,154	0	24,242	24242.45
CB BLDG 122, ECO #2	1.00 EA	23,088	0	1,154	0	24,242	24242.45

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:21:13

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	369	4,712	49	13,276	0	18,037	18036.63
CB BLDG 122, ECO #2	1.00	EA	369	4,712	49	13,276	0	18,037	18036.63
OVERHEAD								902	
SUBTOTAL								18,938	
HOME OFC								1,894	
SUBTOTAL								20,832	
PROFIT								1,803	
SUBTOTAL								22,635	
BOND								453	
TOTAL INCL INDIRECTS								23,088	
CONTNGENCY								1,154	
TOTAL INCL OWNER COSTS								24,242	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:21:13

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	18,037	902	1,894	1,803	453	23,088	23088.05

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:21:13

PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract

3/16" Clear Glass Storm Panel			0.06	0.79	0.01	2.23	0.00	3.02
5964.00 SF	AGLAB		369	4,712	49	13,276	0	18,037

Contract			369	4,712	49	13,276	0	18,037
----------	--	--	-----	-------	----	--------	---	--------

CB BLDG 122, ECO #2			369	4,712	49	13,276	0	18,037
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Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:21:13

PROJECT CB1222: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:24:59

TITLE PAGE 1

CB BLDG 122, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 122, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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U.S. Army Corps of Engineers  
PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:24:59

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:24:59

PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:24:59

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	14,922	0	746	0	15,668	15667.82
CB BLDG 122, ECO #3	1.00	EA	14,922	0	746	0	15,668	15667.82

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:24:59

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	304	10,859	71	727	0	11,657	11657.02
CB BLDG 122, ECO #3	1.00	EA	304	10,859	71	727	0	11,657	11657.02
OVERHEAD								583	
SUBTOTAL								12,240	
HOME OFC								1,224	
SUBTOTAL								13,464	
PROFIT								1,165	
SUBTOTAL								14,629	
BOND								293	
TOTAL INCL INDIRECTS								14,922	
CONTINGENCY								746	
TOTAL INCL OWNER COSTS								15,668	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:24:59

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	11,657	583	1,224	1,165	293	14,922	14921.73



Mon 10 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 14:24:59

DETAILED ESTIMATE

DETAIL PAGE 1

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Compd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows		60.66	CLF	ARFCA	282	10,093	63	579	0	10,735
Mtl Weatherstrip w/Neoprene Bulb										
For Head and Jamb		172.00	LF	ACARB	0.07	2.62	0.03	0.66	0.00	3.31
					13	451	5	113	0	569
Mtl Weatherstrip for Door Bottom										
Surface Mounted w/Vinyl Bulb		42.00	LF	ACARB	0.21	7.50	0.08	0.85	0.00	8.42
Bulb					9	315	3	36	0	354
Contract					304	10,859	71	727	0	11,657
CB BLDG 122, ECO #3					304	10,859	71	727	0	11,657

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:24:59

PROJECT CB1223: CB BLDG 122, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:29:56

TITLE PAGE 1

CB BLDG 122, ECO #2  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 122, Low "E" Glass  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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U.S. Army Corps of Engineers  
PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:29:56

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

\*\*\* END TABLE OF CONTENTS \*\*\*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
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INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:29:56

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	72,628	0	3,631	0	76,259	76258.97
CB BLDG 122, ECO #2	1.00 EA	72,628	0	3,631	0	76,259	76258.97

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:29:56

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	822	10,505	110	46,123	0	56,737	56737.44
CB BLDG 122, ECO #2 OVERHEAD	1.00 EA	822	10,505	110	46,123	0	56,737 2,837	56737.44
SUBTOTAL							59,574	
HOME OFC							5,957	
SUBTOTAL							65,532	
PROFIT							5,672	
SUBTOTAL							71,204	
BOND							1,424	
TOTAL INCL INDIRECTS							72,628	
CONTINGENCY							3,631	
TOTAL INCL OWNER COSTS							76,259	



Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:29:56

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	56,737	2,837	5,957	5,672	1,424	72,628	72627.59

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
01. Contract

TIME 14:29:56

DETAILED ESTIMATE

DETAIL PAGE 1

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Solar Film on Ext. Windows				0.13	1.69	0.02	7.42	0.00	9.13
	6216.00	SF	AGLAB	822	10,505	110	46,123	0	56,737
Contract									
				822	10,505	110	46,123	0	56,737
CB BLDG 122, ECO #2									
				822	10,505	110	46,123	0	56,737

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 14:29:56

PROJECT CB1224: CB BLDG 122, ECO #2 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

***Building 201***  
***(Typical for 202, 203, and 204)***

***Architectural Estimate***

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>201</b>		Building Name: <b>MARSHALL RIDGE</b>	
Date Prepared: <b>5 JAN. 94</b>		Estimator: <b>D.J.L.</b>	Sheet <b>1</b> of <b>3</b>
<b>BID ITEM WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTING OF EXIST'G. MILLWORK (BASE & CASINGS) FIRST FLOOR ONLY	107	L.F.	
DIV. 06 0611 4201 2x4 WOOD FRAMING AROUND WINDOW OPENINGS	32	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSION	48	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	526	S.F.	
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL.)	876	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	526	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	2.00	C.L.F.	
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	526	S.F.	

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 201

Building Name: MARSHALL RIDGE

Date Prepared: 5 JAN. 94

Estimator: DJL

Sheet 2 of 3

BID ITEM WALL/ROOF INSULATION	
-------------------------------	--

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:50:17

TITLE PAGE 1

---

CB BLDG 201, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 201, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:50:17

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								



Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:50:17

PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:50:17

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	2,909	0	145	0	3,054	3054.22
CB BLDG 201, ECO #1	1.00	EA	2,909	0	145	0	3,054	3054.22

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:50:17

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	38	1,291	13	969	0	2,272	2272.27
CB BLDG 201, ECO #1	1.00 EA	38	1,291	13	969	0	2,272	2272.27
OVERHEAD							114	
SUBTOTAL							2,386	
HOME OFC							239	
SUBTOTAL							2,624	
PROFIT.							227	
SUBTOTAL							2,852	
BOND							57	
TOTAL INCL INDIRECTS							2,909	
CONTINGENCY							145	
TOTAL INCL OWNER COSTS							3,054	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:50:17

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,193	110	230	219	55	2,808	2807.74
EL Electrical Contractor	79	4	8	8	2	101	101.04

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:50:17

PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Removal & Resetting of Millwork										
	107.00	LF	ULABF		0.03	0.95	0.01	0.00	0.00	0.96
					4	102	1	0	0	102
Sills & Plates, 2x4 So Yel Pine										
	32.00	BF	ACARF		0.02	0.80	0.02	0.24	0.00	1.06
					1	26	1	8	0	34
Jamb Extensions										
	48.00	LF	ULABF		0.03	0.79	0.01	0.42	0.00	1.22
					1	38	0	20	0	59
2" Polyiso., R14.3 Rigid Insul.										
	526.00	SF	ACARA		0.01	0.26	0.00	0.90	0.00	1.16
					4	137	1	474	0	612
6" Unfaced Batt, R19 Fbgs Insul										
	876.00	SF	ACARA		0.01	0.30	0.00	0.21	0.00	0.51
					7	260	3	186	0	449
1/2" Drywall, One Layer, One Face										
On Metal Studs or Furring, (13mm)	526.00	SF	ACARB		0.02	0.69	0.01	0.21	0.00	0.91
For Taping, Spackling, And					6	211	2	97	0	478
					4	152	2	15		
Add. 2" Z Furring, Galv.										
	2.00	CLF	ACARA		2.09	74.50	0.72	28.09	0.00	103.31
					4	149	1	56	0	207
Interior Roller Work										
One Coat Primer-Two Coats Paint	526.00	SF	APTRA		0.01	0.29	0.00	0.19	0.00	0.48
					6	151	2	100	0	253
Electrical Work on Outlets & Switches										
	6.00	EA	EELEB		0.28	11.00	0.04	2.12	0.00	13.16
					2	66	0	13	0	79
Contract					38	1,291	13	969	0	2,272
CB BLDG 201, ECO #1					38	1,291	13	969	0	2,272

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:50:17

PROJECT CB2011: CB BLDG 201, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 201

Building Name: MARSHALL RIDGE

Date Prepared: 5 JAN. 94

Estimator: DJL

Sheet 3 of 3

	BID ITEM WEATHERSTRIPPING / CAULKING
--	--------------------------------------

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:53:41

TITLE PAGE 1

---

CB BLDG 201, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 201, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:53:41

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks  
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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:53:41

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	1,367	0	68	0	1,436	1435.81
CB BLDG 201, ECO #3	1.00 EA	1,367	0	68	0	1,436	1435.81

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:53:41

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	27	973	7	89	0	1,068	1068.26
CB BLDG 201, ECO #3 OVERHEAD	1.00 EA	27	973	7	89	0	1,068 53	1068.26
SUBTOTAL HOME OFC							1,122 112	
SUBTOTAL PROFIT							1,234 107	
SUBTOTAL BOND							1,341 27	
TOTAL INCL INDIRECTS CONTNGENCY							1,367 68	
TOTAL INCL OWNER COSTS							1,436	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:53:41

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,068	53	112	107	27	1,367	1367.44

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:53:41

PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4"Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	4.63	CLF ARFCA	22	770	5	44	0	819

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	60.00	LF ACARB	4	157	2	39	0	198

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	6.00	LF ACARB	1	45	0	5	0	51
Bulb								

Contract			27	973	7	89	0	1,068
----------	--	--	----	-----	---	----	---	-------

CB BLDG 201, ECO #3			27	973	7	89	0	1,068
---------------------	--	--	----	-----	---	----	---	-------

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 15:53:41

PROJECT CB2013: CB BLDG 201, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

***Building 205***  
***(Typical for 206, 207, 208, 209, 210, 211,***  
***212, 213, 214, 215, 216, 217,***  
***218, 219, and 220)***

***Architectural Estimate***



**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. **205**

Building Name: **MARSHALL RIDGE**

Date Prepared: **5 JAN 94**

Estimator: **DJL**

Sheet **1** of **3**

**BID ITEM WALL / ROOF INSULATION**

Description	Quantity	Unit Measurement
DIV. 02 REMOVAL & RESETTING OF EXISTG. MILLWORK (BASE & CASING) FIRST FLOOR ONLY	214	L.F.
DIV. 06 0611 4201 2x4 WOOD FRAMING AROUND WINDOW OPENINGS	64	B.F.
DIV. 06 1x3 PINE JAMB EXTENSION	96	L.F.
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	1052	S.F.
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL.)	1752	S.F.
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	1052	S.F.
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	4.00	C.L.F.
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	1052	S.F.

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 205

Building Name: MARSHALL RIDGE

Date Prepared: 5 JAN 94

Estimator: DJL

Sheet 2 of 3

BID ITEM	WALL/ROOF INSULATION
----------	----------------------

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:07:41

TITLE PAGE 1

---

CB BLDG 205, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 205, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:07:41

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 16:07:41

PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:07:41

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	5,818	0	291	0	6,108	6108.44
CB BLDG 205, ECO #1	1.00 EA	5,818	0	291	0	6,108	6108.44

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:07:41

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	77	2,582	25	1,937	0	4,545	4544.54
CB BLDG 205, ECO #1 OVERHEAD	1.00	EA	77	2,582	25	1,937	0	4,545 227	4544.54
SUBTOTAL HOME OFC								4,772 477	
SUBTOTAL PROFIT								5,249 455	
SUBTOTAL BOND								5,703 114	
TOTAL INCL INDIRECTS CONTNGENCY								5,818 291	
TOTAL INCL OWNER COSTS								6,108	

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:07:41

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	4,387	219	461	439	110	5,615	5615.49
EL Electrical Contractor	158	8	17	16	4	202	202.08



Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 16:07:41

PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Removal & Resetting of Millwork					0.03	0.95	0.01	0.00	0.00	0.96
	214.00	LF	ULABF		7	203	2	0	0	205
Sills & Plates, 2x4 So Yel Pine					0.02	0.80	0.02	0.24	0.00	1.06
	64.00	BF	ACARD		1	51	1	16	0	68
Jamb Extensions					0.03	0.79	0.01	0.42	0.00	1.22
	96.00	LF	ULABF		3	76	1	41	0	117
6" Unfaced Batt, R19 Fbgs Insul					0.01	0.30	0.00	0.21	0.00	0.51
	1752.00	SF	ACARA		15	521	5	371	0	897
2' Polyiso., R14.3 Rigid Insul.					0.01	0.26	0.00	0.90	0.00	1.16
	1052.00	SF	ACARA		8	274	3	948	0	1,224
1/2" Drywall, One Layer, One Face					0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	1052.00	SF	ACARB		12	422	4	194	0	956
For Taping, Spackling, And					9	304	3	29		
td. 2" Z Furring, Galv.					2.09	74.50	0.72	28.09	0.00	103.31
	4.00	CLF	ACARA		8	298	3	112	0	413
Interior Roller Work					0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	1052.00	SF	APTRA		11	302	3	201	0	506
Electrical Work on Outlets & Switches					0.28	11.00	0.04	2.12	0.00	13.16
	12.00	EA	EELEB		3	132	0	25	0	158
Contract					77	2,582	25	1,937	0	4,545
CB BLDG 205, ECO #1					77	2,582	25	1,937	0	4,545

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 16:07:41

PROJECT CB2051: CB BLDG 205, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 205

Building Name: MARSHALL RIDGE

Date Prepared: 5 JAN. 94

Estimator: DJL

Sheet 3 of 3

	BID ITEM WEATHERSTRIPPING/CAULKING
--	------------------------------------

[illegible]

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:11:52

TITLE PAGE 1

---

CB BLDG 205, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 205, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/05/94

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PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:11:52

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 16:11:52

PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:11:52

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	2,735	0	137	0	2,872	2871.62
CB BLDG 205, ECO #3	1.00 EA	2,735	0	137	0	2,872	2871.62

Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:11:52

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	54	1,945	14	177	0	2,137	2136.51
CB BLDG 205, ECO #3	1.00 EA	54	1,945	14	177	0	2,137	2136.51
OVERHEAD							107	
SUBTOTAL							2,243	
HOME OFC							224	
SUBTOTAL							2,468	
PROFIT							214	
SUBTOTAL							2,681	
BOND							54	
TOTAL INCL INDIRECTS							2,735	
CONTNGENCY							137	
TOTAL INCL OWNER COSTS							2,872	



Wed 05 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:11:52

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,137	107	224	214	54	2,735	2734.87

Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 16:11:52

PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

## Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	9.26	CLF ARFCA	43	1,541	10	88	0	1,639

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	120.00	LF ACARB	9	315	3	79	0	397

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	12.00	LF ACARB	3	90	1	10	0	101
Bulb								

Contract			54	1,945	14	177	0	2,137
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CB BLDG 205, ECO #3			54	1,945	14	177	0	2,137
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Wed 05 Jan 1994

U.S. Army Corps of Engineers

TIME 16:11:52

PROJECT CB2053: CB BLDG 205, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\*\*\* END OF ERROR REPORT \*\*\*

*Building 253*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. 253		Building Name: MEDICAL SUPPLY	
Date Prepared: 3 JAN. 94		Estimator: DJL	Sheet 1 of 2
BID ITEM WALL/ROOF INSULATION			
Description	Quantity	Unit Measurement	
DIV. 06 0611 4201 2x4 WOOD FRAMING @ WINDOW & DOOR OPENINGS	375	B.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL BD. R=14.3 WALL INSULATION	2,237	S.F.	
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL)	4,500	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	2,237	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	16.26	C.L.F.	
DIV. 09 INSTALL 4" VINYL BASE	210	L.F.	
DIV. 09 09920 1221 PAINTING 1/2" DRYWALL	2,237	S.F.	
DIV. 16 ELECT. WORK ON OUTLETS & SWITCHES	15	EA.	

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 253

Building Name: MEDICAL SUPPLY

Date Prepared: 3 JAN. 94

Estimator: D.N.L

Sheet 2 of 2

BID ITEM	
----------	--

[illegible]

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:23:50

TITLE PAGE 1

---

CB BLDG 253, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 253, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/03/94

M C A C E S G O L D E D I T I O N  
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LABOR ID: R01\_92      EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B      UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:23:50

PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
--------	-----	-------	------	------	------	--------	--------	--------	--------

01 General Contractor

OVERHEAD	S	5.00	5.00
HOME OFC	P	10.00	
PROFIT	S	8.66	5.00
BOND	P	2.00	

02 Electrical Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.66	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							



Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:23:50

PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:23:50

PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	13,825	0	691	0	14,516	14515.97
CB BLDG 253, ECO #1	1.00 EA	13,825	0	691	0	14,516	14515.97

Mon 03 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:23:50

SUMMARY PAGE 2

[illegible]

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:23:50

PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 3

\*\* CONTRACTOR INDIRECT SUMMARY \*\*

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	10,390	520	1,091	1,039	261	13,301	13300.67
EL Electrical Contractor	409	20	43	41	10	524	524.07

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:23:50

PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks

LED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY UOM CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Sills & Plates, 2x4 So Yel Pine			0.02	0.80	0.02	0.24	0.00	1.06
	375.00 BF	ACARD	8	300	7	91	0	399
2" Polyiso., R14.3, Rigid Insul.			0.01	0.26	0.00	0.90	0.00	1.17
	2237.00 SF	ACARA	17	592	6	2,016	0	2,613
6" Unfaced Batt, R19 Fbgs Insul			0.01	0.30	0.00	0.21	0.00	0.51
	4500.00 SF	ACARA	38	1,337	13	954	0	2,304
1/2" Drywall, One Layer, One Face			0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	2237.00 SF	ACARB	25	897	9	412	0	2,034
For Taping, Spackling, And			18	646	7	62		
Std. 2' Z Furring, Galv.			2.09	74.50	0.72	28.09	0.00	103.31
	16.26 CLF	ACARA	34	1,211	12	457	0	1,680
1" Vinyl Base			0.02	0.61	0.00	0.74	0.00	1.36
	210.00 LF	APAPA	5	128	1	156	0	285
Interior Roller Work			0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	2237.00 SF	APTRA	24	642	7	427	0	1,076
Electrical Work on Outlets & Switches			0.28	11.00	0.04	2.12	0.00	13.16
	15.00 EA	EELEB	4	165	1	32	0	197
Electrical Work on Wall Mtd. Security Lights			1.73	68.35	0.22	2.12	0.00	70.69
	3.00 EA	EELEB	5	205	1	6	0	212
Contract			178	6,124	63	4,613	0	10,800
CB BLDG 253, ECO #1			178	6,124	63	4,613	0	10,800

LABOR ID: R01\_92 EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B UPB ID: NAT92A

Mon 03 Jan 1994

U.S. Army Corps of Engineers

TIME 15:23:50

PROJECT CB2531: CB BLDG 253, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

REPORT

ERROR PAGE 1

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 259*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>259</b>		Building Name: <b>WILSON HOUSE</b>	
Date Prepared: <b>10 JAN. 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>3</b>	
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTING OF EXIST. MILLWORK (BASE & CASING)	786	L.F.	
DIV. 06 06111 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	374	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSIONS	562	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	1699	S.F.	
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSULATION)	1340	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	1699	S.F.	
DIV. 09 INSTALL STD. 2" '2' FURRING @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	12.32	C.L.F.	



[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:00:07

TITLE PAGE 1

---

CB BLDG 259, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 259, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:00:07

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:00:07

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:00:07

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	12,056	0	603	0	12,659	12658.99
CB BLDG 259, ECO #1	1.00	EA	12,056	0	603	0	12,659	12658.99

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:00:07

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	186	6,041	60	3,318	0	9,418	9418.01
CB BLDG 259, ECO #1	1.00 EA	186	6,041	60	3,318	0	9,418	9418.01
OVERHEAD							471	
SUBTOTAL							9,889	
HOME OFC							989	
SUBTOTAL							10,878	
PROFIT							942	
SUBTOTAL							11,820	
BOND							236	
TOTAL INCL INDIRECTS							12,056	
CONTINGENCY							603	
TOTAL INCL OWNER COSTS							12,659	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:00:07

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	8,826	441	927	883	222	11,298	11298.39
EL Electrical Contractor	592	30	62	59	15	758	757.80

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 15:00:07

DETAILED ESTIMATE

DETAIL PAGE 1

QUANTY UOM CREW ID			MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Removal & Resetting of Millwork			0.03	0.95	0.01	0.00	0.00	0.96
786.00 LF ULABF			26	747	6	0	0	752
Sills & Plates, 2x4 So Yel Pine			0.02	0.80	0.02	0.24	0.00	1.06
374.00 BF ACARD			8	299	7	91	0	398
Jamb Extensions			0.03	0.79	0.01	0.42	0.00	1.22
562.00 LF ULABF			15	444	3	238	0	686
2" Polyiso, R14.3 Rigid Insul.			0.01	0.26	0.00	0.90	0.00	1.16
1699.00 SF ACARA			12	442	4	1,531	0	1,977
6" Unfaced Batt, R19 Fbgs Insul			0.01	0.30	0.00	0.21	0.00	0.51
1340.00 SF ACARA			11	398	4	284	0	686
1/2" Drywall, One Layer, One Face			0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	1699.00 SF	ACARB	19	682	7	313	0	1,545
For Taping, Spackling, And			14	491	5	47		
Std 2" Z Furring, Galv.			2.09	74.50	0.72	28.09	0.00	103.31
12.32 CLF ACARA			26	918	9	346	0	1,273
Interior Roller Work			0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	1699.00 SF	APTRA	18	487	5	324	0	817
Paint, Int Wd Trim, 1 Prime, 2 Paint			0.04	1.14	0.01	0.08	0.00	1.23
Enamel Primer, Alkyd or Latex Pnt	562.00 LF	APTRA	24	638	7	48	0	693
Electrical Work on Outlets & Switches			0.28	11.00	0.04	2.12	0.00	13.16
45.00 EA EELEB			13	495	2	95	0	592
Contract			186	6,041	60	3,318	0	9,418
CB BLDG 259, ECO #1			186	6,041	60	3,318	0	9,418



Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 15:00:07

PROJECT CB2591: CB BLDG 259, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:04:36

TITLE PAGE 1

---

CB BLDG 259, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 259, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:04:36

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	P	5.00									
HOME OFC	P	10.00									
PROFIT	C	8.65			0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00									

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:04:36

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No Backup Reports...

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:04:36

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	1,793	0	90	0	1,883	1882.83
CB BLDG 259, ECO #3	1.00	EA	1,793	0	90	0	1,883	1882.83

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:04:36

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	36	1,281	9	110	0	1,401	1400.85
CB BLDG 259, ECO #3 OVERHEAD	1.00 EA	36	1,281	9	110	0	1,401 70	1400.85
SUBTOTAL							1,471	
HOME OFC							147	
SUBTOTAL							1,618	
PROFIT							140	
SUBTOTAL							1,758	
BOND							35	
TOTAL INCL INDIRECTS							1,793	
CONTINGENCY							90	
TOTAL INCL OWNER COSTS							1,883	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:04:36

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,401	70	147	140	35	1,793	1793.17



Mon 10 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 15:04:36

DETAILED ESTIMATE

DETAIL PAGE 1

QUANTY UOM CREW ID			MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract								
Polyurethane Compd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	5.62	CLF ARFCA	26	935	6	54	0	995
Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	49.00	LF ACARB	4	128	1	32	0	162
Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	29.00	LF ACARB	6	217	2	25	0	244
Bulb								
Contract			36	1,281	9	110	0	1,401
CB BLDG 259, ECO #3			36	1,281	9	110	0	1,401

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 15:04:36

PROJECT CB2593: CB BLDG 259, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 311  
(Typical for 312)*

*Architectural Estimate*

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>311</b>	Building Name: <b>BUILDING 311</b>	
Date Prepared: <b>6 JAN 94</b>	Estimator: <b>DJL</b>	Sheet <b>1</b> of <b>2</b>
<b>BID ITEM WALL/ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV.02 REMOVAL & RESETTNG OF EXIST'G. MILLWORK (BASE & CASINGS)	1072	L.F.
DIV.02 REMOVAL OF HORSEHAIR PLASTER & WOOD LATH.	3868	S.F.
DIV.07 07210 1003 INSTALL 4" KRAFT FACED FIBERGLASS INSUL R=11.0 WALL INSULATION	3868	S.F.
DIV.07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (CLG. INSUL)	2060	S.F.
DIV.09 09260 1002 INSTALL 1/2" DRY- WALL (INCLUDE 4001)	3868	S.F.
DIV.09 09920 1281 PAINTING 1/2" DRYWALL	3868	S.F.
DIV.16 ELECT. WORK ON OUTLETS & SWITCHES	46	EA.
DIV. 2 LEAD PAINT ABATEMENT	3868	S.F.

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 15:50:30

TITLE PAGE 1

---

CB BLDG 311, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 023, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 05/17/94

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 15:50:30

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 15:50:30

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:50:30

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	18,325	0	916	0	19,242	19241.55
CB BLDG 311, ECO #1	1.00 EA	18,325	0	916	0	19,242	19241.55



Tue 17 May 1994

U.S. Army Corps of Engineers  
 PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks  
 PREFINAL SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:50:30

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	398	12,402	97	2,666	0	15,166	15166.08
CB BLDG 311, ECO #1 OVERHEAD	1.00 EA	398	12,402	97	2,666	0	15,166 564	15166.08
SUBTOTAL							15,730	
HOME OFC							1,184	
SUBTOTAL							16,914	
PROFIT							1,128	
SUBTOTAL							18,042	
BOND							283	
TOTAL INCL INDIRECTS							18,325	
CONTNGENCY							916	
TOTAL INCL OWNER COSTS							19,242	

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:50:30

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
<<< Non-Contracted Work >>>	3,888	0	0	0	0	3,888	3888.06
GC General Contractor	10,673	534	1,121	1,068	268	13,663	13662.58
EL Electrical Contractor	605	30	64	60	15	775	774.65

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 15:50:30

PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

PREFINAL SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY UOM CREW ID		MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract							
Removal & Resetting of Millwork		0.03	0.95	0.01	0.00	0.00	0.96
1072.00 LF ULABF		35	1,018	8	0	0	1,026
Removal of Horsehair Plaster & Wood Lathe		0.01	0.38	0.00	0.00	0.00	0.38
3868.00 SF ULABF		51	1,470	11	0	0	1,481
4" Kraft Faced, R11 Fbgs Insul		0.01	0.30	0.00	0.14	0.00	0.44
3868.00 SF ACARA		32	1,149	11	533	0	1,694
6" Unfaced Batt, R19 Fbgs Insul		0.01	0.30	0.00	0.21	0.00	0.51
2060.00 SF ACARA		17	612	6	437	0	1,055
1/2" Drywall, One Layer, One Face		0.02	0.69	0.01	0.22	0.00	0.92
On Metal Studs or Furring, (13mm)		44	1,552	16	749	0	3,557
For Taping, Spackling, And		31	1,117	11	112		
Interior Roller Work		0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint		42	1,110	12	738	0	1,860
3868.00 SF APTRA							
Electrical Work on Switches & Outlets		0.28	11.00	0.04	2.12	0.00	13.16
46.00 EA EELEB		13	506	2	98	0	605
Lead Paint Abatement		0.03	1.00	0.01	0.00	0.00	1.01
3868.00 SF ULABB		134	3,868	20	0	0	3,888
Contract		398	12,402	97	2,666	0	15,166
CB BLDG 311, ECO #1		398	12,402	97	2,666	0	15,166

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 15:50:30

PROJECT CB3111: CB BLDG 311, ECO #1 - ESOS Carlisle Barracks

ERROR REPORT

PREFINAL SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 311		Building Name: BUILDING 311	
Date Prepared: 6 JAN 94	Estimator: DJL		Sheet 2 of 2

<div style="text-align: right;"> <b>BID ITEM</b> WEATHERSTRIPPING / CAULKING </div>	
-------------------------------------------------------------------------------------	--

[illegible]

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:46:17

TITLE PAGE 1

---

CB BLDG 311, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 311, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/06/94

M C A C E S G O L D E D I T I O N  
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Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:46:17

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*



Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:46:17

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	2,327	0	116	0	2,444	2443.64
CB BLDG 311, ECO #3	1.00 EA	2,327	0	116	0	2,444	2443.64

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:46:17

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	46	1,631	12	174	0	1,818	1818.09
CB BLDG 311, ECO #3	1.00	EA	46	1,631	12	174	0	1,818	1818.09
OVERHEAD								91	
SUBTOTAL								1,909	
HOME OFC								191	
SUBTOTAL								2,100	
PROFIT								182	
SUBTOTAL								2,282	
BOND								46	
TOTAL INCL INDIRECTS								2,327	
CONTINGENCY								116	
TOTAL INCL OWNER COSTS								2,444	

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:46:17

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,818	91	191	182	46	2,327	2327.28

Thu 06 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 15:46:17

DETAILED ESTIMATE

DETAIL PAGE 1

		QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Compd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows					30	1,065	7	61	0	1,133
		6.40	CLF	ARFCA						
Mtl Weatherstrip w/Neoprene Bulb					0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb					10	357	4	89	0	450
		136.00	LF	ACARB						
Mtl Weatherstrip for Door Bottom					0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb					6	210	2	24	0	236
		28.00	LF	ACARB						
Bulb										
Contract					46	1,631	12	174	0	1,818
CB BLDG 311, ECO #3					46	1,631	12	174	0	1,818

Thu 06 Jan 1994

U.S. Army Corps of Engineers

TIME 15:46:17

PROJECT CB3113: CB BLDG 311, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 313*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>313</b>	Building Name: <b>OFFICERS CLUB</b>	
Date Prepared: <b>11 JAN 94</b>	Estimator: <b>DJL</b>	Sheet <b>1</b> of <b>3</b>
<b>BID ITEM WALL/ ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV.02 REMOVAL & RESETTNG OF EXIST'G. MILLWORK (BASE & CASINGS)	815	L.F.
DIV.06 0611 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	355	B.F.
DIV.06 1x3 PINE JAMB EXTENSION	533	L.F.
DIV.07 INSTALL 2" RIGID POLYISO. INSUL. BD. R= 14.3 (WALL INSUL.)	2636	S.F.
DIV.07 07210 1003 INSTALL 4" KRAFT FACED FIBERGLASS INSUL. R= 11.0 (WALL INSULATION)	2584	S.F.
DIV.09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	2636	S.F.
DIV.09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. ON WALLS	17.28	C.L.F.
DIV.09 09920 1221 PAINTING 1/2" DRYWALL	2636	S.F.

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No.	313
--------------	-----

Building Name: OFFICERS CLUB
------------------------------

Date Prepared: 11 JAN. 94

Estimator: DJL

Sheet 2 of 3

BID ITEM WALL/ROOF INSULATION	
1	1" POLYSTYRENE INSULATION
2	2" POLYSTYRENE INSULATION
3	3" POLYSTYRENE INSULATION
4	4" POLYSTYRENE INSULATION
5	5" POLYSTYRENE INSULATION
6	6" POLYSTYRENE INSULATION
7	7" POLYSTYRENE INSULATION
8	8" POLYSTYRENE INSULATION
9	9" POLYSTYRENE INSULATION
10	10" POLYSTYRENE INSULATION
11	11" POLYSTYRENE INSULATION
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20	20" POLYSTYRENE INSULATION
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36	36" POLYSTYRENE INSULATION
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51	51" POLYSTYRENE INSULATION
52	52" POLYSTYRENE INSULATION
53	53" POLYSTYRENE INSULATION
54	54" POLYSTYRENE INSULATION
55	55" POLYSTYRENE INSULATION
56	56" POLYSTYRENE INSULATION
57	57" POLYSTYRENE INSULATION
58	58" POLYSTYRENE INSULATION
59	59" POLYSTYRENE INSULATION
60	60" POLYSTYRENE INSULATION
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89	89" POLYSTYRENE INSULATION
90	90" POLYSTYRENE INSULATION
91	91" POLYSTYRENE INSULATION
92	92" POLYSTYRENE INSULATION
93	93" POLYSTYRENE INSULATION
94	94" POLYSTYRENE INSULATION
95	95" POLYSTYRENE INSULATION
96	96" POLYSTYRENE INSULATION
97	97" POLYSTYRENE INSULATION
98	98" POLYSTYRENE INSULATION
99	99" POLYSTYRENE INSULATION
100	100" POLYSTYRENE INSULATION

[illegible]



Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:23:35

TITLE PAGE 1

---

CB BLDG 313, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 313, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SETTINGS PAGE 1

## \*\* CONTRACTOR SETTINGS \*\*

01 General Contractor

OVERHEAD	S	5.00	5.00
HOME OFC	P	10.00	
PROFIT	S	8.66	5.00
BOND	P	2.00	

02 Electrical Contractor

OVERHEAD	P	5.00							
HOME OFC	P	10.00							
PROFIT	C	8.66	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00							

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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## SUMMARY REPORTS

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No Backup Reports...

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Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	15,069	0	753	0	15,822	15822.22
CB BLDG 313, ECO #1	1.00 EA	15,069	0	753	0	15,822	15822.22

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks

INTERIM SUBMISSION

SUMMARY PAGE 2

**\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\***

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	212	7,059	70	4,642	0	11,771	11771.36
CB BLDG 313, ECO #1 OVERHEAD	1.00	EA	212	7,059	70	4,642	0	11,771	11771.36
								589	
SUBTOTAL								12,360	
HONE OFC								1,236	
SUBTOTAL								13,596	
PROFIT								1,177	
SUBTOTAL								14,773	
BOND								295	
TOTAL INCL INDIRECTS								15,069	
CONTNGENCY								753	
TOTAL INCL OWNER COSTS								15,822	

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B

UPB ID: NAT92A

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

SUMMARY PAGE 3

\*\* CONTRACTOR INDIRECT SUMMARY \*\*

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	11,456	573	1,203	1,146	288	14,665	14664.62
EL Electrical Contractor	316	16	33	32	8	404	404.16

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Removal & Resetting of Millwork					0.03	0.95	0.01	0.00	0.00	0.96
	815.00	LF	ULABF		27	774	6	0	0	780
Sills & Plates, 2x4 So Yel Pine					0.02	0.80	0.02	0.24	0.00	1.06
	355.00	BF	ACARD		8	284	7	87	0	378
Jamb Extensions					0.03	0.79	0.01	0.42	0.00	1.22
	533.00	LF	ULABF		15	421	3	226	0	650
2" Polyiso., R14.3 Rigid Insul.					0.01	0.26	0.00	0.90	0.00	1.16
	2636.00	SF	ACARA		19	685	7	2,375	0	3,067
4" Kraft Faced, R11 Fbgs Insul					0.01	0.30	0.00	0.14	0.00	0.44
	2584.00	SF	ACARA		22	768	7	356	0	1,131
1/2" Drywall, One Layer, One Face					0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)					30	1,057	11	486	0	2,396
For Taping, Spackling, And					21	761	8	73		
Std. 2" Z Furring, Galv.					2.09	74.50	0.72	28.09	0.00	103.31
	17.28	CLF	ACARA		36	1,287	12	485	0	1,785
Interior Roller Work					0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint					28	756	9	503	0	1,268
Electrical Work on Outlets & Switches					0.28	11.00	0.04	2.12	0.00	13.16
	24.00	EA	EELEB		7	264	1	51	0	316
Contract					212	7,059	70	4,642	0	11,771
CB BLDG 313, ECO #1					212	7,059	70	4,642	0	11,771

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B

UPB ID: NAT92A

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:23:35

PROJECT CB3131: CB BLDG 313, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

-----  
No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*



## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 313

Building Name: *OFFICERS CLUB*

Date Prepared: 11 JAN 94

Estimator: DJL

Sheet 3 of 3

	BID ITEM WEATHERSTRIPPING/CAULKING
--	------------------------------------

[illegible]

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:28:28

TITLE PAGE 1

CB BLDG 313, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 313, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:28:28

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:28:28

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	3,053	0	153	0	3,205	3205.41
CB BLDG 313, ECO #3	1.00 EA	3,053	0	153	0	3,205	3205.41

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:28

PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	10.25	CLF ARFCA	48	1,705	11	98	0	1,814

Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	109.00	LF ACARB	8	286	3	72	0	360

Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	25.00	LF ACARB	5	187	2	21	0	211
Bulb								

Contract			61	2,179	15	191	0	2,385
----------	--	--	----	-------	----	-----	---	-------

CB BLDG 313, ECO #3			61	2,179	15	191	0	2,385
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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:28:28

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	61	2,179	15	191	0	2,385	2384.86
CB BLDG 313, ECO #3 OVERHEAD	1.00	EA	61	2,179	15	191	0	2,385	2384.86
								119	
SUBTOTAL								2,504	
HOME OFC								250	
SUBTOTAL								2,755	
PROFIT								238	
SUBTOTAL								2,993	
BOND								60	
TOTAL INCL INDIRECTS								3,053	
CONTINGENCY								153	
TOTAL INCL OWNER COSTS								3,205	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:28:28

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,385	119	250	238	60	3,053	3052.77



Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:28:28

PROJECT CB3133: CB BLDG 313, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 318*  
*Architectural Estimate*

933702

# CARLISLE BARRACKS ENERGY STUDY

## Individual Building Material Take Off Worksheet

Building No. 318

Building Name: **QUARTERS 318**

Date Prepared: 11 JAN. 94

Estimator: K. STICK

Sheet 1 of 2

BID ITEM - WALL/ROOF INSULATION	
1	1.0000
2	1.0000
3	1.0000
4	1.0000
5	1.0000
6	1.0000
7	1.0000
8	1.0000
9	1.0000
10	1.0000
11	1.0000
12	1.0000
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93	1.0000
94	1.0000
95	1.0000
96	1.0000
97	1.0000
98	1.0000
99	1.0000
100	1.0000

[illegible]

\* NOTE : QUANTITIES INCLUDE BOTH SIDES OF DBL. HOUSE.

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:53:51

TITLE PAGE 1

---

CB BLDG 318, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 318, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 05/17/94

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:53:51

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

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No Backup Reports...

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:53:51

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	9,239	0	462	0	9,701	9700.94
CB BLDG 318, ECO #1	1.00 EA	9,239	0	462	0	9,701	9700.94

Tue 17 May 1994

U.S. Army Corps of Engineers  
 PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
 PREFINAL SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:53:51

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	137	4,237	655	2,325	0	7,217	7217.26
CB BLDG 318, ECO #1 OVERHEAD	1.00 EA	137	4,237	655	2,325	0	7,217 361	7217.26
SUBTOTAL HOME OFC							7,578 758	
SUBTOTAL PROFIT							8,336 722	
SUBTOTAL BOND							9,058 181	
TOTAL INCL INDIRECTS CONTINGENCY							9,239 462	
TOTAL INCL OWNER COSTS							9,701	



Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:53:51

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	7,217	361	758	722	181	9,239	9238.99

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:53:51

PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

PREFINAL SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Blown-in Cell. Insul. R22				0.08	2.38	0.37	0.56	0.00	3.31
	221.00	CF	AASBD	17	526	81	124	0	731
Blown-in Cell. Insul. R11				0.05	1.66	0.26	1.17	0.00	3.09
	1364.00	SF	AASBD	73	2,267	351	1,590	0	4,208
Blown-in Cell. Insul. R19				0.03	0.88	0.14	0.37	0.00	1.38
	1646.00	SF	AASBD	47	1,444	223	611	0	2,277
Contract				137	4,237	655	2,325	0	7,217
CB BLDG 318, ECO #1				137	4,237	655	2,325	0	7,217

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:53:51

PROJECT CB3181: CB BLDG 318, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

933702

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:27

TITLE PAGE 1

CB BLDG 318, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 318, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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U.S. Army Corps of Engineers  
PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:27

SETTINGS PAGE 1

\*\*- CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
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No Backup Reports...

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U.S. Army Corps of Engineers  
PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:48:27

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	2,576	0	129	0	2,705	2705.05
CB BLDG 318, ECO #3	1.00 EA	2,576	0	129	0	2,705	2705.05



Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:48:27

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	51	1,812	14	187	0	2,013	2012.58
CB BLDG 318, ECO #3 OVERHEAD	1.00 EA	51	1,812	14	187	0	2,013 101	2012.58
SUBTOTAL HOME OFC							2,113 211	
SUBTOTAL PROFIT							2,325 201	
SUBTOTAL BOND							2,526 51	
TOTAL INCL INDIRECTS CONTNGENCY							2,576 129	
TOTAL INCL OWNER COSTS							2,705	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:48:27

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,013	101	211	201	51	2,576	2576.24

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 14:48:27

DETAILED ESTIMATE

DETAIL PAGE 1

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract

Polyurethane Cmpd, 1/4"x1/4" Joint			4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows	7.54 CLF	ARFCA	35	1,255	8	72	0	1,334
Mtl Weatherstrip w/Neoprene Bulb			0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb	144.00 LF	ACARB	11	378	4	95	0	476
Mtl Weatherstrip for Door Bottom			0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	24.00 LF	ACARB	5	180	2	20	0	202
Bulb								

Contract			51	1,812	14	187	0	2,013
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CB BLDG 318, ECO #3			51	1,812	14	187	0	2,013
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Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:48:27

PROJECT CB3183: CB BLDG 318, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 321*

*Architectural Estimate*

933702

[illegible]

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:56:17

TITLE PAGE 1

---

CB BLDG 321, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 321, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 05/17/94

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PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:56:17

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								



Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

TIME 14:56:17

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No Backup Reports...

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Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:56:17

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	3,174	0	159	0	3,333	3332.78
CB BLDG 321, ECO #1	1.00 EA	3,174	0	159	0	3,333	3332.78

Tue 17 May 1994

U.S. Army Corps of Engineers  
 PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
 PREFINAL SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:56:17

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	57	1,773	274	432	0	2,480	2479.51
CB BLDG 321, ECO #1 OVERHEAD	1.00 EA	57	1,773	274	432	0	2,480 124	2479.51
SUBTOTAL HOME OFC							2,603 260	
SUBTOTAL PROFIT							2,864 248	
SUBTOTAL BOND							3,112 62	
TOTAL INCL INDIRECTS CONTNGENCY							3,174 159	
TOTAL INCL OWNER COSTS							3,333	

Tue 17 May 1994

U.S. Army Corps of Engineers  
PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:56:17

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,480	124	260	248	62	3,174	3174.08

Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:56:17

PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

PREFINAL SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract

Blown-in Cell. Insul. R22			0.08	2.38	0.37	0.56	0.00	3.31
714.00 CF AASBD			55	1,699	263	401	0	2,363

Blown-in Cell. Insul. R19			0.03	0.88	0.14	0.37	0.00	1.38
84.00 SF AASBD			2	74	11	31	0	116

Contract			57	1,773	274	432	0	2,480
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CB BLDG 321, ECO #1			57	1,773	274	432	0	2,480
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Tue 17 May 1994

U.S. Army Corps of Engineers

TIME 14:56:17

PROJECT CB3211: CB BLDG 321, ECO #1 - ESOS Carlisle Barracks  
PREFINAL SUBMISSION

ERROR REPORT

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No errors detected...

\*\*\* END OF ERROR REPORT \*\*\*

[illegible]

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3213: CB BLDG 321, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 14:57:31

TITLE PAGE 1

---

CB BLDG 321, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 321, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3213: CB BLDG 321, ECO #3 - ESOS Carlisle Barracks  
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TIME 14:57:31

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
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\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 14:57:31

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	1,207	0	60	0	1,267	1267.00
CB BLDG 321, ECO #3	1.00	EA	1,207	0	60	0	1,267	1267.00

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
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\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 14:57:31

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	24	866	6	71	0	943	942.66
CB BLDG 321, ECO #3	1.00 EA	24	866	6	71	0	943	942.66
OVERHEAD							47	
SUBTOTAL							990	
HOME OFC							99	
SUBTOTAL							1,089	
PROFIT							94	
SUBTOTAL							1,183	
BOND							24	
TOTAL INCL INDIRECTS							1,207	
CONTINGENCY							60	
TOTAL INCL OWNER COSTS							1,267	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB3213: CB BLDG 321, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 14:57:31

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	943	47	99	94	24	1,207	1206.67

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 14:57:31

PROJECT CB3213: CB BLDG 321, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Cmpd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows					20	724	4	41	0	770
					4.35	CLF	ARFCA			
Mtl Weatherstrip w/Neoprene Bulb					0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb					3	97	1	24	0	122
					37.00	LF	ACARB			
Mtl Weatherstrip for Door Bottom					0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb					1	45	0	5	0	51
Bulb										
Contract					24	866	6	71	0	943
CB BLDG 321, ECO #3					24	866	6	71	0	943

Thu 13 Jan 1994

U.S. Army Corps of Engineers

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PROJECT CE3213: CB BLDG 321, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 330*

*Architectural Estimate*

933702



## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 330

Building Name: DPW

Date Prepared: 29 DEC. 93

Estimator: K. STICK

Sheet 1 of 1

<div style="text-align: right;"> <b>BID ITEM - WEATHERSTRIPPING &amp; CAULKING</b> </div>	
<div style="text-align: right;"> <b>QTY</b> </div>	<div style="text-align: right;"> <b>UNIT</b> </div>

[illegible]

Wed 29 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:07:54

TITLE PAGE 1

---

CB BLDG 330, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 330, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 12/29/93

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Wed 29 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 13:07:54

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Wed 29 Dec 1993

U.S. Army Corps of Engineers

TIME 13:07:54

PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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U.S. Army Corps of Engineers  
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INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 13:07:54

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	1,642	0	82	0	1,725	1724.61
CB BLDG 330, ECO #3	1.00 EA	1,642	0	82	0	1,725	1724.61

Wed 29 Dec 1993

U.S. Army Corps of Engineers  
 PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 13:07:54

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	33	1,187	8	88	0	1,283	1283.13
CB BLDG 330, ECO #3	1.00 EA	33	1,187	8	88	0	1,283	1283.13
OVERHEAD							64	
SUBTOTAL							1,347	
HOME OFC							135	
SUBTOTAL							1,482	
PROFIT							128	
SUBTOTAL							1,610	
BOND							32	
TOTAL INCL INDIRECTS							1,642	
CONTNGENCY							82	
TOTAL INCL OWNER COSTS							1,725	

Wed 29 Dec 1993

U.S. Army Corps of Engineers  
PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 13:07:54

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,283	64	135	128	32	1,642	1642.49

Wed 29 Dec 1993

U.S. Army Corps of Engineers

TIME 13:07:54

PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY UOM CREW ID		MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract							
Polyurethane Cmpd, 1/4"x1/4" Joint		4.65	166.39	1.03	9.54	0.00	176.96
Caulking on Ext. Doors & Windows	6.33 CLF ARFCA	29	1,053	7	60	0	1,120
Mtl Weatherstrip w/Neoprene Bulb		0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb on Exterior Doors	34.00 LF ACARB	3	89	1	22	0	112
Mtl Weatherstrip for Door Bottom		0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb	6.00 LF ACARB	1	45	0	5	0	51
Contract							
		33	1,187	8	88	0	1,283
CB BLDG 330, ECO #3							
		33	1,187	8	88	0	1,283



Wed 29 Dec 1993

U.S. Army Corps of Engineers

TIME 13:07:54

PROJECT CB3303: CB BLDG 330, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

-----  
No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 400*  
*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>400</b>		Building Name: <b>FIRE HALL</b>	
Date Prepared: <b>11 JAN. 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>3</b>	
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTNG OF EXIST.			
MILLWORK (BASE & CASING)	1613	L.F.	
DIV. 06 06111 4201 2x4 WOOD FRAMING			
AROUND WINDOW & DOOR OPENINGS	691	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSIONS	1037	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD.			
R = 14.3 (WALL INSUL.)	5905	S.F.	
DIV. 07 07210 1004 INSTALL 6" KRAFT FACED			
FIBERGLASS INSUL. R = 19.0			
(BETWEEN ROOF RAFTERS)	4922	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL	5905	S.F.	
(INCLUDE 4001)			
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C.			
BETWEEN 2" RIGID INSUL. BD.	38.06	C.L.F.	

[illegible]

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:08:22

TITLE PAGE 1

---

CB BLDG 400, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 400, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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U.S. Army Corps of Engineers  
PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:08:22

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 15:08:22

PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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\* \* \* END TABLE OF CONTENTS \* \* \*

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:08:22

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	33,485	0	1,674	0	35,159	35159.00
CB BLDG 400, ECO #1	1.00 EA	33,485	0	1,674	0	35,159	35159.00



Thu 13 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:08:22

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	461	15,407	152	10,599	0	26,157	26157.49
CB BLDG 400, ECO #1	1.00 EA	461	15,407	152	10,599	0	26,157	26157.49
OVERHEAD							1,308	
SUBTOTAL							27,465	
HOME OFC							2,747	
SUBTOTAL							30,212	
PROFIT							2,616	
SUBTOTAL							32,828	
BOND							657	
TOTAL INCL INDIRECTS							33,485	
CONTNGENCY							1,674	
TOTAL INCL OWNER COSTS							35,159	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:08:22

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	25,154	1,258	2,641	2,516	631	32,201	32200.81
EL Electrical Contractor	1,003	50	105	100	25	1,284	1283.95

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 15:08:22

PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Removal & Resetting of Millwork				0.03	0.95	0.01	0.00	0.00	0.96
	1613.00	LF	ULABF	53	1,532	11	0	0	1,544
Sills & Plates, 2x4 So Yel Pine				0.02	0.80	0.02	0.24	0.00	1.06
	691.00	BF	ACARD	16	553	14	168	0	735
Jamb Extensions				0.03	0.79	0.01	0.42	0.00	1.22
	1037.00	LF	ULABF	28	819	6	440	0	1,265
2" Polyiso., R14.3 Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.17
	5905.00	SF	ACARA	44	1,562	15	5,320	0	6,898
6-1/4" Kraft Faced R19 Fbgs Insul				0.01	0.30	0.00	0.22	0.00	0.52
	4922.00	SF	ACARA	41	1,463	14	1,096	0	2,572
1/2" Drywall, One Layer, One Face				0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	5905.00	SF	ACARB	66	2,369	24	1,089	0	5,368
For Taping, Spackling, And				48	1,706	18	163		
1/2" Z Furring, Galv.				2.09	74.50	0.72	28.09	0.00	103.31
	39.06	CLF	ACARA	30	2,836	27	1,069	0	3,932
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	5905.00	SF	APTRA	63	1,694	19	1,127	0	2,840
Electrical Work on Outlets & Switches				0.28	11.00	0.04	2.12	0.00	13.16
	60.00	EA	EELEB	17	660	2	127	0	789
Electrical Work on 200 A Disc. Switch				5.38	213.02	0.69	0.00	0.00	213.71
	1.00	EA	EELEB	5	213	1	0	0	214
Contract				461	15,407	152	10,599	0	26,157
CB BLDG 400, ECO #1				461	15,407	152	10,599	0	26,157

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 15:08:22

PROJECT CB4001: CB BLDG 400, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:11:35

TITLE PAGE 1

CB BLDG 400, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 400, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 15:11:35

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

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AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks  
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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 15:11:35

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	3,374	0	169	0	3,543	3542.71
CB BLDG 400, ECO #3	1.00 EA	3,374	0	169	0	3,543	3542.71

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 15:11:35

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	67	2,389	18	229	0	2,636	2635.81
CB BLDG 400, ECO #3	1.00 EA	67	2,389	18	229	0	2,636	2635.81
OVERHEAD							132	
SUBTOTAL							2,768	
HOME OFC							277	
SUBTOTAL							3,044	
PROFIT							263	
SUBTOTAL							3,308	
BOND							66	
TOTAL INCL INDIRECTS							3,374	
CONTINGENCY							169	
TOTAL INCL OWNER COSTS							3,543	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 15:11:35

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,636	132	277	263	66	3,374	3374.01

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 15:11:35

PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Cmpd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows					48	1,725	11	99	0	1,835
					10.37	CLF	ARFCA			
Mtl Weatherstrip w/Neoprene Bulb					0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb					11	401	4	101	0	506
					153.00	LF	ACARB			
Mtl Weatherstrip for Door Bottom					0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb					7	262	3	30	0	295
Bulb										
Contract					67	2,389	18	229	0	2,636
CB BLDG 400, ECO #3					67	2,389	18	229	0	2,636

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 15:11:35

PROJECT CB4003: CB BLDG 400, ECO #3 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 420*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>420</b>	Building Name: <b>HEADQUARTERS COMPANY</b>	
Date Prepared: <b>7 JAN 94</b>	Estimator: <b>DJL</b>	Sheet <b>1</b> of <b>3</b>
<b>BID ITEM WALL / ROOF INSULATION</b>		
Description	Quantity	Unit Measurement
DIV 06 0611 4201 2x4 WOOD FRAMING @ WINDOW & DOOR OPENINGS	1,559	B.F.
DIV.07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 WALL INSULATION	11,986	S.F.
DIV.07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R=19.0 (ROOF INSUL)	6,680	S.F.
DIV.09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	11,986	S.F.
DIV.09 INSTALL STD 2" 'Z' FURRING @ 24" O.C. ON EXTERIOR WALLS.	53.16	C.L.F.
DIV.09 INSTALL 4" VINYL BASE	443	L.F.
DIV.09 09920 1221 PAINTING 1/2" DRYWALL	11,986	S.F.
DIV. 16 ELECT. WORK ON OUTLETS & SWITCHES	82	EA.

## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 420

Building Name: HEADQUARTERS COMPANY

Date Prepared: 7 JAN 94

Estimator: DJL

Sheet 2 of 3

BID ITEM WALL / ROOF INSULATION	
---------------------------------	--

[illegible]



Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:13:37

TITLE PAGE 1

---

CB BLDG 420, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 420, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:13:37

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:13:37

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No Backup Reports...

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Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:13:37

SUMMARY PAGE 1

	QUANTITY	VOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	55,186	0	2,759	0	57,946	57945.59
CB BLDG 420, ECO #1	1.00	EA	55,186	0	2,759	0	57,946	57945.59

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:13:37

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	688	23,410	247	19,453	0	43,110	43110.18
CB BLDG 420, ECO #1 OVERHEAD	1.00	EA	688	23,410	247	19,453	0	43,110 2,156	43110.18
SUBTOTAL								45,266	
HOME OFC								4,527	
SUBTOTAL								49,792	
PROFIT								4,312	
SUBTOTAL								54,104	
BOND								1,082	
TOTAL INCL INDIRECTS								55,186	
CONTNGENCY								2,759	
TOTAL INCL OWNER COSTS								57,946	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:13:37

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	41,778	2,089	4,387	4,179	1,049	53,481	53480.74
EL Electrical Contractor	1,332	67	140	133	33	1,706	1705.53

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:13:37

PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

		QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Sills & Plates, 2x4 So Yel Pine					0.02	0.80	0.02	0.24	0.00	1.06
	1559.00	BF	ACARD		35	1,248	31	380	0	1,658
2" Polyiso., R14.3 Rigid Insul.					0.01	0.26	0.00	0.90	0.00	1.16
	11986	SF	ACARA		87	3,116	30	10,799	0	13,946
1/2" Drywall, One Layer, One Face					0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	11986	SF	ACARB		135	4,808	49	2,210	0	10,897
For Taping, Spackling, And					97	3,462	36	331		
6" Unfaced Batt, R19 Fbgs Insul					0.01	0.30	0.00	0.21	0.00	0.51
	6680.00	SF	ACARA		56	1,985	19	1,416	0	3,420
Std. 2" Z Furring, Galv.					2.09	74.50	0.72	28.09	0.00	103.31
	53.16	CLF	ACARA		111	3,961	38	1,493	0	5,492
4" Vinyl Base					0.02	0.61	0.00	0.74	0.00	1.36
	443.00	LF	APAPA		10	270	1	329	0	600
Interior Roller Work					0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	11986	SF	APTRA		129	3,439	39	2,287	0	5,764
Electrical Work on Outlets & Switches					0.28	11.00	0.04	2.12	0.00	13.16
	82.00	EA	EELEB		23	902	3	174	0	1,079
Electrical Work on Fire Alarm Pull Stations					0.82	32.50	0.11	2.12	0.00	34.73
	1.00	EA	EELEB		1	33	0	2	0	35
Electrical Work on Fire Alarm Bells					0.82	32.50	0.11	2.12	0.00	34.73
	1.00	EA	EELEB		1	33	0	2	0	35
Electrical Work on TV Outlets					0.28	11.00	0.04	2.12	0.00	13.16
	14.00	EA	EELEB		4	154	0	30	0	184
Contract					688	23,410	247	19,453	0	43,110
CB BLDG 420, ECO #1					688	23,410	247	19,453	0	43,110

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:13:37

PROJECT CB4201: CB BLDG 420, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\*\*\* END OF ERROR REPORT \*\*\*



## CARLISLE BARRACKS ENERGY STUDY

### Individual Building Material Take Off Worksheet

Building No. 420

Building Name: HEADQUARTERS COMPANY

**Date Prepared:**

JAN 94

Estimator: DJL

Sheet 3 of 3

BID ITEM VESTIBULES	
1	1.00
2	1.00
3	1.00
4	1.00
5	1.00
6	1.00
7	1.00
8	1.00
9	1.00
10	1.00
11	1.00
12	1.00
13	1.00
14	1.00
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89	1.00
90	1.00
91	1.00
92	1.00
93	1.00
94	1.00
95	1.00
96	1.00
97	1.00
98	1.00
99	1.00
100	1.00

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:24:14

TITLE PAGE 1

---

CB BLDG 420, ECO #E  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 420, Vestibule  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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U.S. Army Corps of Engineers  
PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:24:14

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers

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PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

\*\*\* END TABLE OF CONTENTS \*\*\*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:24:14

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	10,132	0	507	0	10,639	10638.87
CB BLDG 420, ECO #E	1.00 EA	10,132	0	507	0	10,639	10638.87

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:24:14

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	145	5,504	54	2,357	0	7,915	7915.43
CB BLDG 420, ECO #E OVERHEAD	1.00	EA	145	5,504	54	2,357	0	7,915 396	7915.43
SUBTOTAL								8,311	
HOME OFC								831	
SUBTOTAL								9,142	
PROFIT								791	
SUBTOTAL								9,934	
BOND								199	
TOTAL INCL INDIRECTS								10,132	
CONTINGENCY								507	
TOTAL INCL OWNER COSTS								10,639	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:24:14

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	7,915	396	831	791	199	10,132	10132.26

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:24:14

PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract

3'x7'Wide Style Al Door Unit			8.00	312.24	3.07	453.68	0.00	768.99
Commercial (Rear Ent. Vest.)	2.00 EA	SIWSB	16	624	6	907	0	1,538

1/4" Thk Clear Float Glass			0.15	1.89	0.02	4.24	0.00	6.15
(Rear Ent. Vest.)	42.00 SF	AGLAB	6	80	1	178	0	258

8'x10' Front Entrance Vestibule			1.54	60.00	0.59	15.90	0.00	76.49
	80.00 SF	SIWSB	123	4,800	47	1,272	0	6,119

Contract			145	5,504	54	2,357	0	7,915
----------	--	--	-----	-------	----	-------	---	-------

CB BLDG 420, ECO #E			145	5,504	54	2,357	0	7,915
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Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:24:14

PROJECT CB420E: CB BLDG 420, ECO #E - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 452*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. 452

Building Name: CHAPEL

Date Prepared: 5 JAN. 94

Estimator: K. STICK

Sheet 1 of 3

**BID ITEM - WALL / ROOF INSULATION**

Description	Quantity	Unit Measurement
DIV. 02 REMOVAL & RESETT'G OF EXIST'G. MILLWORK (CASING & COVE MOULD'G)	3987	L.F.
DIV. 06 06111 4201 2X4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	1591	B.F.
DIV. 06 1X3 PINE JAMB EXTENSIONS	1591	L.F.
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R = 14.3 (WALL INSUL.)	11,172	S.F.
DIV. 07 07210 1017 INSTALL 6" UNFACED FIBERGLASS INSUL. R = 19.0 (ROOF INSUL. - ADMIN. WING, ACTIVITY & ASSEMBLY WING & CLASSROOM WING)	11,602	S.F.
DIV. 07 INSTALL 1" RIGID POLYISO. INSUL. BD. (R = 7.2) TO EXIST'G WOOD FURR'G LOCATED BETWEEN WOOD PURLINS - NAVE & NARTHEX (ROOF INSUL.) (INCLUDE 4005)	4,324	S.F.

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>452</b>		Building Name: <b>CHAPEL</b>	
Date Prepared: <b>5 JAN. 94</b>		Estimator: <b>K. STICK</b>	Sheet <b>2</b> of <b>3</b>
<b>BID ITEM - WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 07 07210 1004 INSTALL 6" KRAFT FACED FIBERGLASS INSUL. BETWEEN RAFTERS			
R = 19.0 (ROOF INSUL. - EQUIP. / MECH. RM.)	759	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	11,172	S.F.	
DIV. 09 INSTALL STD. 2" Z' FURR'G @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	71.15	C.L.F.	
DIV. 09 09920 1221 PAINT'G 1/2" DRYWALL	11,172	S.F.	
DIV. 09 09920 1304 PAINT'G INT. WOOD TRIM	1591	L.F.	
DIV. 09 CEMENT 12"x12" ACOUST. TILE TO 1" RIGID INSUL. BD. @ NAVE/NARTHEX	4,324	S.F.	
DIV. 16 ELEC. WORK ON OUTLETS & SWITCHES	140	EA.	
DIV. 16 ELEC. WORK ON WALL MTD. LIGHT FIXT.	5	EA.	
DIV. 16 ELEC. WORK ON FIRE ALARM PULL STATIONS	10	EA.	
DIV. 16 ELEC. WORK ON FIRE ALARM BELLS	2	EA.	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:54:31

TITLE PAGE 1

---

CB BLDG 452, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 452, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:54:31

SETTINGS PAGE 1

\*\*- CONTRACTOR SETTINGS -\*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	S		5.00	5.00							
HOME OFC	P		10.00								
PROFIT	S		8.66	5.00							
BOND	P		2.00								
02 Electrical Contractor											
OVERHEAD	P		5.00								
HOME OFC	P		10.00								
PROFIT	C		8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P		2.00								

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:54:31

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:54:31

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SION	TOTAL COST	UNIT COST
01 Contract	1.00 EA	83,395	0	4,170	0	87,564	87564.40
CB BLDG 452, ECO #1	1.00 EA	83,395	0	4,170	0	87,564	87564.40



Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:54:31

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	1,137	37,907	374	26,865	0	65,146	65145.91
CB BLDG 452, ECO #1 OVERHEAD	1.00	EA	1,137	37,907	374	26,865	0	65,146 3,257	65145.91
SUBTOTAL HOME OFC								68,403 6,840	
SUBTOTAL PROFIT								75,244 6,516	
SUBTOTAL BOND								81,759 1,635	
TOTAL INCL INDIRECTS CONTNGENCY								83,395 4,170	
TOTAL INCL OWNER COSTS								87,564	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:54:31

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	62,709	3,135	6,584	6,272	1,574	80,275	80274.90
EL Electrical Contractor	2,437	122	256	244	61	3,120	3119.76

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:54:31

PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract									
Removal & Resetting of Millwork				0.03	0.95	0.01	0.00	0.00	0.96
	3987.00	LF	ULABF	130	3,788	28	0	0	3,816
Sills & Plates, 2x4 So Yel Pine				0.02	0.80	0.02	0.24	0.00	1.06
	1591.00	BF	ACARD	36	1,273	31	388	0	1,692
Jamb Extensions				0.03	0.79	0.01	0.42	0.00	1.22
	1591.00	LF	ULABF	43	1,257	9	675	0	1,941
2" Polyiso., R14.3 Rigid Insul.				0.01	0.26	0.00	0.90	0.00	1.16
	11172	SF	ACARA	81	2,905	28	10,066	0	12,999
6" Unfaced Batt, R19 Fbgs Insul				0.01	0.30	0.00	0.21	0.00	0.51
	11602	SF	ACARA	97	3,448	33	2,460	0	5,941
1" Polyiso., R7.2 Rigid Insul.				0.01	0.24	0.00	0.66	0.00	0.90
	4324.00	SF	ACARA	29	1,038	10	2,842	0	3,890
6-1/4" Kraft Faced R19 Fbgs Insul				0.01	0.30	0.00	0.22	0.00	0.52
	759.00	SF	ACARA	6	226	2	169	0	397
1/2" Drywall, One Layer, One Face				0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	11172	SF	ACARB	126	4,482	46	2,060	0	10,157
For Taping, Spackling, And				90	3,227	33	309		
Std. 2" Z Furring, Galv.				2.09	74.50	0.72	28.09	0.00	103.31
	71.15	CLF	ACARA	149	5,301	51	1,999	0	7,351
Interior Roller Work				0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	11172	SF	APTRA	120	3,205	36	2,132	0	5,373
Paint Int Wd Trim, 1 Prime, 2 Paint				0.04	1.14	0.01	0.08	0.00	1.23
Enamel Primer, Alkyd or Latex Pnt	1591.00	LF	APTRA	68	1,806	20	135	0	1,962
12"x12"x5/8" Vnyl Face Acous Tile				0.03	0.89	0.01	0.76	0.00	1.66
Mineral Fiber Ceiling Tile	4324.00	SF	ACARA	108	3,855	37	3,300	0	7,192
Electrical Work on Outlets & Switches				0.28	11.00	0.04	2.12	0.00	13.16
	140.00	EA	EELEB	39	1,540	5	297	0	1,842
Electrical Work on Wall Mounted Light Fixtures				0.93	33.50	0.12	2.12	0.00	35.74
	5.00	EA	EELEF	5	168	1	11	0	179
Electrical Work on Fire Alarm Pull Stations				0.82	32.50	0.11	2.12	0.00	34.73
	10.00	EA	EELEB	8	325	1	21	0	347
Electrical Work on Fire Alarm Bells				0.82	32.50	0.11	2.12	0.00	34.72
	2.00	EA	EELEB	2	65	0	4	0	69

LABOR ID: R01\_92

EQUIP ID: RG0192

Currency in DOLLARS

CREW ID: NAT92B

UPB ID: NAT92A

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
01. Contract

TIME 16:54:31

DETAILED ESTIMATE

DETAIL PAGE 2

QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
--------	-----	---------	--------	-------	----------	----------	-------	------------

Contract			1,137	37,907	374	26,865	0	65,146
----------	--	--	-------	--------	-----	--------	---	--------

CB BLDG 452, ECO #1			1,137	37,907	374	26,865	0	65,146
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Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:54:31

PROJECT CB4521: CB BLDG 452, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:58:16

TITLE PAGE 1

CB BLDG 452, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 452, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/10/94

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PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:58:16

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								



Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:58:16

PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:58:16

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	7,359	0	368	0	7,727	7726.53
CB BLDG 452, ECO #3	1.00 EA	7,359	0	368	0	7,727	7726.53

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:58:16

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	147	5,242	38	469	0	5,749	5748.61
CB BLDG 452, ECO #3	1.00 EA	147	5,242	38	469	0	5,749	5748.61
OVERHEAD							287	
SUBTOTAL							6,036	
HOME OFC							604	
SUBTOTAL							6,640	
PROFIT							575	
SUBTOTAL							7,214	
BOND							144	
TOTAL INCL INDIRECTS							7,359	
CONTINGENCY							368	
TOTAL INCL OWNER COSTS							7,727	

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:58:16

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	5,749	287	604	575	144	7,359	7358.60

Mon 10 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

TIME 16:58:16

DETAILED ESTIMATE

DETAIL PAGE 1

		QUANTY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Cmpd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows					111	3,972	25	228	0	4,224
		23.87	CLF	ARFCA						
Mtl Weatherstrip w/Neoprene Bulb					0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb					20	708	7	177	0	893
		270.00	LF	ACARB						
Mtl Weatherstrip for Door Bottom					0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb					16	562	6	64	0	632
		75.00	LF	ACARB						
Bulb										
Contract					147	5,242	38	469	0	5,749
CB BLDG 452, ECO #3					147	5,242	38	469	0	5,749

Mon 10 Jan 1994

U.S. Army Corps of Engineers

TIME 16:58:16

PROJECT CB4523: CB BLDG 452, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

*Building 901*

*Architectural Estimate*

933702

**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. <b>901</b>		Building Name: <b>GOLF HOUSE</b>	
Date Prepared: <b>10 JAN. 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>1</b> of <b>4</b>	
BID ITEM - <b>WALL / ROOF INSULATION</b>			
Description	Quantity	Unit Measurement	
DIV. 02 REMOVAL & RESETTING OF EXIST. MILLWORK (CASING)	763	L.F.	
DIV. 06 06111 4201 2x4 WOOD FRAMING AROUND WINDOW & DOOR OPENINGS	509	B.F.	
DIV. 06 1x3 PINE JAMB EXTENSIONS	763	L.F.	
DIV. 07 INSTALL 2" RIGID POLYISO. INSUL. BD. R=14.3 (WALL INSUL.)	2900	S.F.	
DIV. 07 INSTALL 3" RIGID POLYISO. INSUL. BD. w/ 7/16" APA RATED OSB ON TOP SIDE. R=19.3 (ROOF INSUL. - LOUNGE AREA)	1494	S.F.	
DIV. 07 BLOWN-IN CELLULOSE INSUL. - 4"± BETWEEN CEIL. JOISTS R=11.0	1400	S.F.	
DIV. 09 09260 1002 INSTALL 1/2" DRYWALL (INCLUDE 4001)	2900	S.F.	
DIV. 09 INSTALL STD. 2" 'Z' FURRING @ 24" O.C. BETWEEN 2" RIGID INSUL. BD.	20.56	C.L.F.	



**CARLISLE BARRACKS ENERGY STUDY**  
**Individual Building Material Take Off Worksheet**

Building No. 901

Building Name: GOLF HOUSE

Date Prepared: 10 JAN. 94

Estimator: K. STICK

Sheet 2 of 4

**BID ITEM - WALL / ROOF INSULATION**

Description	Quantity	Unit Measurement
DIV. 09 INSTALL 4" VINYL COVE BASE	424	L.F.
DIV. 09 09920 1221 PAINTG 1/2" DRYWALL	2900	S.F.
DIV. 07 INSTALL 15# ROOF FELT (LOUNGE)	15	S.Q.
DIV. 07 INSTALL ASPHALT SHINGLES (LOUNGE)	15	S.Q.
DIV. 07 INSTALL ALUM. DRIP EDGE ON LOUNGE ROOF	120	L.F.
DIV. 16 ELEC. WORK ON OUTLETS & SWITCHES	18	EA.
DIV. 16 ELEC. WORK ON FIRE ALARM PULL STATIONS	8	EA
DIV. 16. ELEC. WORK ON FIRE ALARM BELLS	4	EA.

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:21:08

TITLE PAGE 1

CB BLDG 901, ECO #1  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 901, Wall & Roof Insul.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:21:08

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON

01 General Contractor

OVERHEAD	S	5.00	5.00							
HOME OFC	P	10.00								
PROFIT	S	8.66	5.00							
BOND	P	2.00								

02 Electrical Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.66		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 16:21:08

PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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DETAIL PAGE

01. Contract.....1

No Backup Reports...

\* \* \* END TABLE OF CONTENTS \* \* \*

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:21:08

SUMMARY PAGE 1

	QUANTITY	UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00	EA	23,687	0	1,184	0	24,871	24871.37
CB BLDG 901, ECO #1	1.00	EA	23,687	0	1,184	0	24,871	24871.37

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 \*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:21:08

SUMMARY PAGE 2

	QUANTITY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00 EA	276	9,084	123	9,297	0	18,504	18503.73
CB BLDG 901, ECO #1	1.00 EA	276	9,084	123	9,297	0	18,504	18503.73
OVERHEAD							925	
SUBTOTAL							19,429	
HOME OFC							1,943	
SUBTOTAL							21,372	
PROFIT							1,851	
SUBTOTAL							23,223	
BOND							464	
TOTAL INCL INDIRECTS							23,687	
CONTINGENCY							1,184	
TOTAL INCL OWNER COSTS							24,871	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:21:08

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	17,850	893	1,874	1,785	448	22,851	22850.51
EL Electrical Contractor	653	33	69	65	16	837	836.50

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 16:21:08

PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY	UOM	CREW	ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Removal & Resetting of Millwork					0.03	0.95	0.01	0.00	0.00	0.96
	763.00	LF	ULABF		25	725	5	0	0	730
Sills & Plates, 2x4 So Yel Pine					0.02	0.80	0.02	0.24	0.00	1.06
	509.00	BF	ACARD		11	407	10	124	0	541
Jamb Extensions					0.03	0.79	0.01	0.42	0.00	1.22
	763.00	LF	ULABF		21	603	5	324	0	931
2" Polyiso., R14.3 Rigid Insul.					0.01	0.26	0.00	0.90	0.00	1.16
	2900.00	SF	ACARA		21	754	7	2,613	0	3,374
3" Polyiso., R19.3 Rigid Insul.					0.01	0.22	0.00	1.47	0.00	1.70
	1494.00	SF	APLAD		12	336	6	2,201	0	2,543
Blown-in Cell. Insul. R11					0.01	0.17	0.03	0.85	0.00	1.04
	1400.00	SF	AASED		8	238	37	1,187	0	1,462
1/2" Drywall, One Layer, One Face					0.02	0.69	0.01	0.21	0.00	0.91
On Metal Studs or Furring, (13mm)	2900.00	SF	ACARB		33	1,163	12	535	0	2,636
For Taping, Spackling, And					23	838	9	80		
Std. 2" Z Furring, Galv.					2.09	74.50	0.72	28.09	0.00	103.31
	20.56	CLF	ACARA		43	1,532	15	578	0	2,124
4" Vinyl Base					0.02	0.61	0.00	0.74	0.00	1.36
	424.00	LF	APAPA		10	259	1	315	0	575
Interior Roller Work					0.01	0.29	0.00	0.19	0.00	0.48
One Coat Primer-Two Coats Paint	2900.00	SF	APTRA		31	832	9	553	0	1,395
15# Asphalt Felt Underlayment					0.20	7.16	0.04	2.12	0.00	9.32
	15.00	CSF	ARFCA		3	107	1	32	0	140
Asphalt Shingles					1.20	43.00	0.27	44.52	0.00	87.79
	15.00	SQ	ARFCA		18	645	4	668	0	1,317
Alum. Drip Edge					0.01	0.48	0.01	0.20	0.00	0.68
	120.00	LF	MSHMA		2	57	1	24	0	82
Electrical Work on Outlets & Switches					0.28	11.00	0.04	2.12	0.00	13.16
	18.00	EA	EELEB		5	198	1	38	0	237
Electrical Work on Fire Alarm Pull Stations					0.82	32.50	0.11	2.12	0.00	34.73
	8.00	EA	EELEB		7	260	1	17	0	278
Electrical Work on Fire Alarm Bells					0.82	32.50	0.11	2.12	0.00	34.72
	4.00	EA	EELEB		3	130	0	8	0	139



Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 16:21:08

PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 2

01. Contract

		QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract					276	9,084	123	9,297	0	18,504
CB BLDG 901, ECO #1					276	9,084	123	9,297	0	18,504

Thu 13 Jan 1994

U.S. Army Corps of Engineers

TIME 16:21:08

PROJECT CB9011: CB BLDG 901, ECO #1 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

**CARLISLE BARRACKS ENERGY STUDY**  
Individual Building Material Take Off Worksheet

Building No. <b>901</b>		Building Name: <b>GOLF HOUSE</b>	
Date Prepared: <b>10 JAN, 94</b>	Estimator: <b>K. STICK</b>	Sheet <b>3</b> of <b>4</b>	
<b>BID ITEM - INSUL. GL. / DBL. H. WINDOWS</b>			
Description	Quantity	Unit Measurement	
<b>DIV. 08 INSTALL 3/16" DS. THK. GLASS PANEL</b>			
<b>W/ FRAME ON THE FOLLOWING</b>			
<b>WINDOWS. (INSTALL PANEL ON AWNING</b>			
<b>WINDOWS WHERE INSECT SCREENS</b>			
<b>WOULD BE LOCATED)</b>			
<b>A. EXIST. 3'-6" x 5'-8" FIXED/AWNING - INSUL. GL.</b>			
<b>(NO WORK)</b>	<b>0</b>		
<b>B. EXIST. 4'-0" x 1'-10" AWNING - INSUL. GL.</b>			
<b>(NO WORK)</b>	<b>0</b>		
<b>C. EXIST. 3'-8" x 5'-4" FIXED - SINGLE GLAZING</b>			
<b>7 UNITS x 20 S.F. EA. = 140 S.F. OF</b>			
<b>INTERIOR INSTALLED PANEL</b>	<b>140</b>	<b>S.F.</b>	
<b>D. EXIST. 3'-8" x 1'-8" AWNING - SINGLE GLAZING</b>			
<b>10 UNITS x 6 S.F. EA. = 60 S.F. OF</b>			
<b>INTERIOR INSTALLED PANEL</b>	<b>60</b>	<b>S.F.</b>	
<b>E. EXIST. 2'-4" x 3'-10" DBL. HUNG - SINGLE GLAZING</b>			
<b>1 UNIT x 9 S.F. = 9 S.F. OF EXTERIOR</b>			
<b>DBL. HUNG STORM PANEL</b>	<b>1</b>	<b>EA.</b>	
<b>F. EXIST. 3'-2" x VARIES (SEE ELEV.) - SINGLE</b>			
<b>GLAZING. 224 S.F. TOTAL AREA OF</b>			
<b>INTERIOR INSTALLED PANELS</b>	<b>224</b>	<b>S.F.</b>	

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:31:02

TITLE PAGE 1

---

CB BLDG 901, ECO #2  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 901, Windows  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:31:02

SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

-----  
AMOUNT PCT PCT S RISK DIFF SIZE PERIOD INVEST ASSIST SUBCON  
-----

01 General Contractor

OVERHEAD	P	5.00								
HOME OFC	P	10.00								
PROFIT	C	8.65		0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P	2.00								

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

TIME 16:31:02

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No Backup Reports...

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Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:31:02

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	1,728	0	86	0	1,815	1814.74
CB BLDG 901, ECO #2	1.00 EA	1,728	0	86	0	1,815	1814.74

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:31:02

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	10	348	4	999	0	1,350	1350.18
CB BLDG 901, ECO #2	1.00	EA	10	348	4	999	0	1,350	1350.18
OVERHEAD								68	
SUBTOTAL								1,418	
HOME OFC								142	
SUBTOTAL								1,559	
PROFIT								135	
SUBTOTAL								1,694	
BOND								34	
TOTAL INCL INDIRECTS								1,728	
CONTNGENCY								86	
TOTAL INCL OWNER COSTS								1,815	



Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* CONTRACTOR INDIRECT SUMMARY \*\*

TIME 16:31:02

SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	1,350	68	142	135	34	1,728	1728.32

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U.S. Army Corps of Engineers

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PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks

DETAILED ESTIMATE

INTERIM SUBMISSION

DETAIL PAGE 1

01. Contract

	QUANTY UOM CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract							
Single Glazing Installed on		0.02	0.79	0.01	2.23	0.00	3.02
Inside of Existing Windows	424.00 SF ACARB	9	335	3	944	0	1,282
Double Hung Storm Panel		0.36	12.70	0.13	55.12	0.00	67.95
	1.00 EA ACARB	0	13	0	55	0	68
Contract		10	348	4	999	0	1,350
CB BLDG 901, ECO #2		10	348	4	999	0	1,350

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PROJECT CB9012: CB BLDG 901, ECO #2 - ESOS Carlisle Barracks

ERROR REPORT

INTERIM SUBMISSION

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No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*

[illegible]

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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TITLE PAGE 1

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CB BLDG 901, ECO #3  
ESOS Carlisle Barracks  
Contract No. DACA65-93-C-0018  
Building 901, Caulk & W.S.  
Carlisle Barracks, PA

Designed By: Benatec Associates  
Estimated By: Benatec Associates

Prepared By: Benatec Associates

Date: 01/13/94

MCACES GOLD EDITION  
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U.S. Army Corps of Engineers  
PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

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SETTINGS PAGE 1

\*\* CONTRACTOR SETTINGS \*\*

		AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
01 General Contractor											
OVERHEAD	P			5.00							
HOME OFC	P			10.00							
PROFIT	C			8.65	0.052	0.075	0.119	0.052	0.075	0.120	0.118
BOND	P			2.00							

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U.S. Army Corps of Engineers  
PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT OWNER SUMMARY - LEVEL 1 \*\*

TIME 16:34:27

SUMMARY PAGE 1

	QUANTITY UOM	CONTRACT	ESCALATN	CONTINGN	SIOH	TOTAL COST	UNIT COST
01 Contract	1.00 EA	3,041	0	152	0	3,193	3193.44
CB BLDG 901, ECO #3	1.00 EA	3,041	0	152	0	3,193	3193.44



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U.S. Army Corps of Engineers  
PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION  
\*\* PROJECT DIRECT SUMMARY - LEVEL 1 \*\*

TIME 16:34:27

SUMMARY PAGE 2

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Contract	1.00	EA	60	2,130	17	230	0	2,376	2375.95
CB BLDG 901, ECO #3 OVERHEAD	1.00	EA	60	2,130	17	230	0	2,376	2375.95
								119	
SUBTOTAL								2,495	
HOME OFC								249	
SUBTOTAL								2,744	
PROFIT								238	
SUBTOTAL								2,982	
BOND								60	
TOTAL INCL INDIRECTS								3,041	
CONTINGENCY								152	
TOTAL INCL OWNER COSTS								3,193	

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PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
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\*\* CONTRACTOR INDIRECT SUMMARY \*\*

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SUMMARY PAGE 3

	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
GC General Contractor	2,376	119	249	238	60	3,041	3041.37

Thu 13 Jan 1994

U.S. Army Corps of Engineers  
 PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
 INTERIM SUBMISSION  
 01. Contract

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DETAILED ESTIMATE

DETAIL PAGE 1

		QUANTITY	UOM	CREW ID	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
Contract										
Polyurethane Cmpd, 1/4"x1/4" Joint					4.65	166.39	1.03	9.54	0.00	176.96
on Ext. Doors & Windows					35	1,270	8	73	0	1,350
		7.63	CLF	ARFCA						
Mtl Weatherstrip w/Neoprene Bulb					0.07	2.62	0.03	0.66	0.00	3.31
For Head and Jamb					12	433	4	108	0	546
		165.00	LF	ACARB						
Mtl Weatherstrip for Door Bottom					0.21	7.50	0.08	0.85	0.00	8.42
Surface Mounted w/Vinyl Bulb					12	427	4	48	0	480
		57.00	LF	ACARB						
Bulb										
Contract					60	2,130	17	230	0	2,376
CB BLDG 901, ECO #3					60	2,130	17	230	0	2,376

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PROJECT CB9013: CB BLDG 901, ECO #3 - ESOS Carlisle Barracks  
INTERIM SUBMISSION

ERROR REPORT

ERROR PAGE 1

No errors detected...

\* \* \* END OF ERROR REPORT \* \* \*